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ANNUAL REPORT
OF
The Citadel
THE MILITARY COLLEGE OF
SOUTH CAROLINA

FOR THE YEAR
1976-1977



Printed Under the Direction of the
State Budget and Control Board

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OF
The Citadel
THE MILITARY COLLEGE OF
SOUTH CAROLINA

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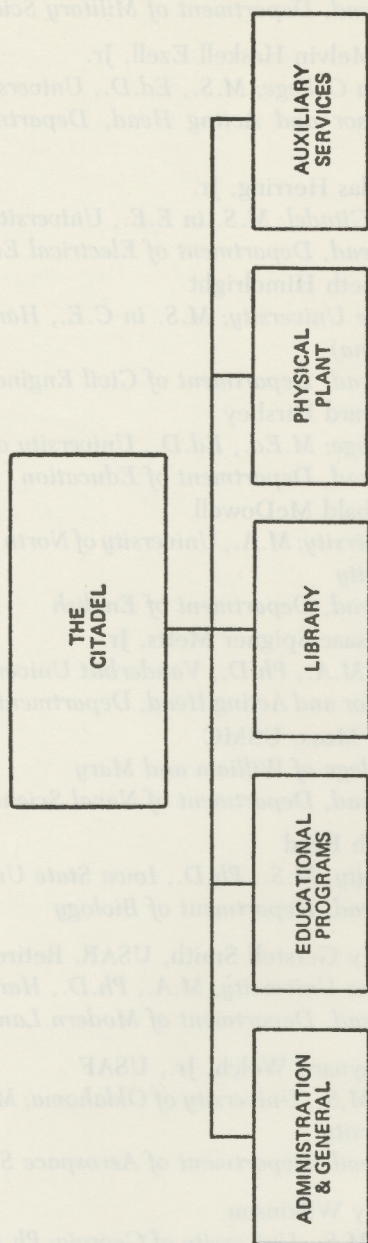
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PRELUDE

The college year 1976-77 was marked by significant progress toward providing excellence to the students as a basis for demanding excellence in student performance.

The completion of the new physical education building, Deas Hall, the completion of renovation of two of the four barracks, the high enrollment in the Corps of Cadets, the continuation of the Spirit of '76 scholarships, the improvement in faculty qualifications, the substantial increase in the numbers of seminars and special lectures presented by outstanding visiting scholars, the hosting of national conferences were significant steps forward. Many of these actions were possible only with the financial support of The Citadel Development Foundation.

Limited funding by the state continues to hamper more rapid improvement. Nevertheless, through judicious use of available resources and wise counsel and strong support by the Board of Visitors we have completed a successful year in a solvent position. I commend to your reading the detailed report that follows.

GEORGE M. SEIGNIOUS, II

FINANCES

A. General:

Colleges and universities report their financial statements in a format that is different from commercial organizations. The Citadel, which is in compliance with state requirements, organizes information for revenues and expenditures into fund groups rather than emphasizing a financial position and a profit or loss figure resulting from total operations. Each fund group includes revenues, expenditures, and fund balances and is established to record specific activities or to attain particular objectives. Some funds are available for general operations, and others are restricted by special limitations or designated applications.

The financial operations of The Citadel for fiscal year 1976-77 were satisfactory as shown in Tables 1 through 5 and are discussed in more detail under the following captions: B — Appropriated Activities, C — Special College Programs, D — Self-Supported Activities, and E — Bonded Indebtedness.

B. Appropriated Activities:

Table 1 is a comparative statement of the appropriated activities for fiscal years 1976-77 and 1975-76. State appropriations increased only .16 per cent in 1976-77; however, revenue collections increased 24.96 per cent due to an increased fee rate and an increased enrollment.

TABLE 1
APPROPRIATED ACTIVITIES
COMPARATIVE STATEMENT OF 1975-76 AND 1976-77 FISCAL YEAR
REVENUE AND EXPENDITURES

	1976-77	Per Cent of Total	1975-76	Per Cent Increase (Decrease)
Revenue:				
Cash Balance — July 1	\$ 361,560.13	4.71	\$ 245,466.17	47.29
Revenue Collections	1,463,187.20	19.09	1,170,904.69	24.96
State Appropriations	5,839,222.00	76.20	5,749,472.00	.16
Total	\$7,663,969.33	100.00	\$7,165,842.86	6.95
Expenditures:				
Instruction	\$3,319,668.26	43.32	\$3,187,276.41	4.15
Public Service	36,393.52	.47	12,385.15	109.38
Academic (Library/Museum) . .	383,491.97	5.00	353,874.83	8.37
Academic Support	224,181.92	2.93	116,314.74	92.74
Student Services	274,473.41	3.58	269,015.84	2.03
Institution Support	1,270,239.47	16.57	1,077,467.12	17.89
Operation & Maint. of Plant . .	1,979,134.82	25.82	1,790,948.64	10.51
Total	\$7,487,583.37	97.69	\$6,807,282.73	9.99

Cash Balance Carried				
Forward 6/30	176,385.96*	2.31	358,560.13	(50.81)
Total	<u>\$7,663,969.33</u>	<u>100.00</u>	<u>\$7,165,842.86</u>	<u>6.95</u>

* There were \$57,913.60 in accounts payable on June 30, 1977, and \$127,789.15 on June 30, 1976, leaving an unencumbered cash balance of \$118,472.36.

C. Special College Programs:

This is a relatively new classification of expenditures in that it was established during the 1975-76 fiscal year. This classification was established to identify these areas of operation separately, since they are not directly associated with the administration, instruction, library, or physical plant areas of operations.

TABLE 2
SPECIAL COLLEGE PROGRAMS
REVENUE AND EXPENSE STATEMENT
FISCAL YEAR 1976-77

	1976-77	1975-76	Per Cent Increase (Decrease)
Revenue:			
Cash Balance — July 1	\$ 11,118.64	\$ —0—	100.00
Revenue Collected	485,765.86	430,921.87	12.73
Total	<u>\$496,884.50</u>	<u>\$430,921.87</u>	<u>15.31</u>
Expenditures:			
Band	\$ 27,684.20	\$ 27,647.80	.01
Chapel	22,715.55	29,479.38	(22.05)
Honor Court	991.27	773.94	28.08
Cadet Affairs	78,296.03	62,821.18	24.63
Physical Education—Athl. Dept.	213,330.70	194,348.97	9.77
Rifle Team	2,604.45	2,568.37	1.40
Tool Shop	1,503.15	1,550.64	(3.06)
Beach House	9,971.87	10,536.22	(5.36)
Stadium	60,138.46	61,815.13	(2.71)
College Park	5,669.17	4,957.53	14.35
Yacht Club	27,164.68	18,218.37	49.11
Athletic Track	—	5,085.69	(100.00)
Total	<u>\$450,069.53</u>	<u>\$419,803.23</u>	<u>7.21</u>
Cash Balance Carried			
Forward 6/30	46,814.97*	11,118.64	
Total	<u>\$496,884.50</u>	<u>\$430,921.87</u>	

* There were \$9,551.75 in accounts payable on June 30, 1977, leaving an unencumbered cash balance of \$37,263.22 for the fiscal year.

D. Self-Supported Activities:

The auxiliary service enterprises are self-supporting. This means they receive no state appropriations, but depend entirely upon fees and

charges for service to support the operations. All of the auxiliary service enterprises except faculty quarters and the print shop are primarily support organizations for the Corps of Cadets. Any change in the fees or the Corps reflects in the revenues collected.

The following statements reflect the financial status of the auxiliary services. Table 3 is a consolidated statement and Table 4 reflects the individual accounts and cash balances.

TABLE 3
AUXILIARY SERVICE ENTERPRISES
COMPARATIVE STATEMENT OF 1976-77 AND 1975-76 FISCAL YEAR
REVENUE AND EXPENDITURES

	1976-77	Per Cent of Total	1975-76	Per Cent of Total	Per Cent Increase (Decrease)
Revenue:					
Cash Balance — July 1 ..	\$ 401,693.96	9.51	\$ 286,238.53	7.05	40.34
Revenue Collections	3,821,411.91	90.49	3,775,326.64	92.95	1.22
Total	<u>\$4,223,105.87</u>	<u>100.00</u>	<u>\$4,061,565.17</u>	<u>100.00</u>	<u>3.97</u>
Expenditures:					
Consolidated Budget	\$3,870,207.48	91.64	\$3,659,871.21	90.11	5.74
Cash Balance Carried					
Forward 6/30	352,898.39*	8.36	401,693.96	9.89	(12.15)
Total	<u>\$4,223,105.87</u>	<u>100.00</u>	<u>\$4,061,565.17</u>	<u>100.00</u>	<u>3.97</u>

* There were \$110,614.17 in accounts payable on June 30, 1977, and \$161,184 in accounts payable on June 30, 1976, leaving an unencumbered cash balance of \$242,284.

TABLE 4
AUXILIARY SERVICE ENTERPRISES
SUMMARY STATEMENT OF OPERATIONS
1976-77 FISCAL YEAR

	Cash Balance July 1, 1976	Revenue 1975-76	Expenditures 1975-76	Cash Balance June 30, 1977
Activity:				
Infirmary	\$ 12,065.95	\$ 162,304.58	\$ 176,697.10	\$ (2,326.57)
Mess Hall	112,991.75	1,566,442.16	1,655,810.22	23,623.69
Laundry	74,695.64	305,602.69	358,979.14	21,319.19
Cadet Store	48,060.07	752,237.27	660,419.78	139,877.56
Barracks	81,178.77	401,306.54	356,849.69	125,635.62
Faculty Quarters	7,182.23	95,372.46	95,524.27	7,030.42
Tailor Shop	18,697.59	327,633.77	363,889.48	(17,558.12)
Dry Cleaning	11,473.00	48,706.36	52,700.25	7,479.11
Print Shop	35,348.96	161,806.08	149,337.55	47,817.49
Total	<u>\$401,693.96</u>	<u>\$3,821,411.91</u>	<u>\$3,870,207.48</u>	<u>\$352,898.39</u>

E. Bonded Indebtedness:

1. Institution Bonds.

These bonds were issued to cover capital improvements in the construction of new buildings and major renovations to older buildings. The debt service on these bonds is supported by the registration and tuition fees collected from students enrolled in the regular nine months session of school.

2. Revenue Bonds.

The Citadel has two issues: Faculty Housing and Student Housing Bonds. The faculty housing bond issue covered the construction of faculty apartments and the student housing issue was used to improve the barracks.

TABLE 5
SCHEDULE OF OUTSTANDING BONDS
AS OF JUNE 30, 1977

Purpose	Type Bond	Principal Outstanding	Interest Outstanding	Total
Institution Bonds:				
Consolidation	Tuition			
Byrd Hall	Tuition	\$ 340,000.00	\$ 27,582.50	\$ 367,582.50
Ducket Hall		765,000.00	172,478.75	937,478.75
Total Tuition Bonds				
Outstanding		\$1,105,000.00	\$200,061.25	\$1,305,061.25
Revenue Bonds:				
Faculty Housing	Revenue	\$ 12,500.00	\$ 500.00	\$ 13,000.00
Barracks Furniture	Revenue	102,000.00	6,985.00	108,985.00
Total Revenue Bonds				
Outstanding		\$ 114,500.00	\$ 7,485.00	\$ 121,985.00
Total Bonded Indebtedness				
Outstanding		\$1,219,500.00	\$207,546.25	\$1,427,046.25

3. Plant Improvement Bonds:

The Plant Improvement Bond fund was established during the fiscal year 1975-76. The immediate use of this fund is for Phase II of the barracks renovation project. Although this project was awarded before the end of the fiscal year 1976-77, no monies had been expended from the fund as of June 30, 1977.

The Plant Improvement Bond fund account contains \$407,706 as of June 30, 1977.

ADMINISTRATIVE AFFAIRS

A. *Physical Plant:*

This year was highlighted by the completion of Deas Hall for the Physical Education Department and the continuation of the Barracks Improvement Project, Phase II. Completion of the renovation of Law and Stevens Barracks is expected in early August in time for the start of the new year. As a part of the project, new telephone raceways will be installed in all four barracks. In addition to room renovation, new transformers and electric service, this project includes the repainting of all furniture and purchase of new mattresses and rugs for all rooms. The usual maintenance and repair work by the in-house work force was accomplished in the barracks.

Maintenance dredging was completed in the yacht channel to minus 8 feet mean low water. Bids are again being solicited for maintenance dredging because of silting and lateral flow in this area. After this, future maintenance dredging will be more expensive due to the requirement to reconstruct the spoil area. The deteriorated bulkhead was replaced for a contract cost of \$26,150. Bids were solicited and a contract awarded for construction of a 12 feet wide small launching ramp in the Yacht Club area with work to commence in August 1977.

The Capers Hall addition plans and specifications were revised to meet higher fire protection standards and conversion of the air conditioning system to absorption cooling. The state engineer has approved the revision.

Extensive renovations and improvements were made to the West Brigadier room; the home team dressing room was enlarged; and the usual stadium repairs were made. The roof of McAlister Field House was repaired; a Hall of Fame was constructed under the east balcony; and the entire playing floor area was sanded and refinished. Numerous office areas were renovated in Bond and Capers Halls as well as the usual repair work in Faculty Quarters to include replacement of asphalt shingles on all Junior Faculty Quarters.

The unseasonably cold winter taxed the Physical Plant budget. Because of the natural gas shortage, The Citadel Boiler Plant had to remain on #5 fuel oil over a longer period of time than normal, thereby driving up the cost to operate the plant. Forecasts for next year are for higher natural gas costs and increased costs in electricity.

B. *Health:*

The general health of the Corps of Cadets has been good. We saw the usual number of cases of infectious mononucleosis and several cases of myoglobinuria, a disease brought on by exhausting overexertion, and

about which we have periodically advised cadet leaders. There was one death from an automobile accident, one death from a rare blood disease while traveling in Europe with the soccer team, and one death from drowning. We diagnosed a case of lympho-sarcoma, which was immediately put under the correct treatment with good primary results.

The infirmary has operated smoothly during the past year with no epidemic outbreaks. Mrs. Betty Sanders resigned, and her position was filled by Mrs. Linda Frohlich. During the course of this past year, three of our bathrooms have been renovated, and the outside of the building has been painted. A small room has been partitioned off to be used as a secretarial office, and the facility is completely functional for the coming year. We anticipate complete interior renovation of the infirmary, to include air conditioning and replacement of antiquated equipment, within the near future.

SUMMER SESSION

June 6, 1976-August 13, 1976

Number of summer students reporting to infirmary for treatment	536
Number of summer students admitted to infirmary	13
Number of summer campers reporting to infirmary for treatment	1,152
Number of summer campers admitted to infirmary	36

The visits to the infirmary by the summer campers were primarily for sunburn and allergy medication. There were no serious illnesses or injuries; however, 32 X-rays were taken as a result of minor injuries.

SCHOOL SESSION

August 23, 1976-May 20, 1977

Number of cadets reporting to sick call for treatment	5,369
Number of cadets reporting after sick call for treatment	6,148
Total admissions to infirmary	742
Average patient days	3

C. Enrollment:

With a high rate of return of the large freshman class of 1976 and normal return of upperclassmen, together with a freshman class totaling 713, the Corps of Cadets reached enrollment of 1,996, the largest since 1967-68. To house this large number initially required special arrangements such as using the visiting team room in Thompson Hall and a newly acquired dormitory-type house trailer, which later was used for small visiting athletic teams.

All other categories of students experienced a decrease, with the result that overall college enrollment declined by about 100 students. The number of veteran students declined by about 28 per cent relative to 1975-76, and a continuation of this trend is anticipated. A 17 per cent decline in undergraduate evening school students, coupled with slightly fewer graduate students, resulted in a decline in overall enrollment for the year of 101 students or about 3 per cent from the figures of 1975-76.

All but three states were represented in the Corps of Cadets, these being Minnesota, Oregon, and South Dakota. The only counties in South Carolina not having a representative in the Corps were Jasper and Saluda. Charleston County furnished nearly 28 per cent of all South Carolina cadets in the Corps, with Richland and Greenville Counties far ahead of all the other counties. For all divisions of the college, 60 per cent of the students were residents of South Carolina.

D. Admissions:

Because of the large freshman class of 1975-76 and the relatively small graduating class in 1976, it was early recognized that fewer freshmen could be admitted in August 1976. As a result there was a slowdown in acceptance of applications during the early spring, and, consequently, a reduction in total applications as compared with the previous year. The problem of the lack of space in barracks for all acceptable applicants had not been experienced for a number of years. As a result, some excellent late applicants could not be admitted. Revised admissions procedures will be adopted in an effort to raise the academic level of those accepted while still assuring full barracks.

E. Recruiting:

During the year extensive travel and recruiting were effected to find every possible qualified applicant. There were 1,300 applications from which to select 650 qualified matriculants.

Lt. H. Grady Phillips, USAR, Citadel 1976, was employed as a temporary recruiter for the fall. In May, Capt. William C. Mills, Citadel 1971, moved from the recruiting office to become annual fund director for The Citadel Development Foundation. Capt. Kenneth A. Byrd, Citadel 1974, took over as recruiting supervisor.

Key recruiting activities included: a survey of the freshman class; the Rhett Perry survey of high school seniors in South Carolina; participation in the South Carolina Educational Opportunity Tour; limited participation in the North Carolina and Florida College Day Tours; alumni coverage of the Georgia and Virginia College Day Programs; personal follow-up of all prospects; participation in National College Fairs in

Long Island, Baltimore, Philadelphia, Washington, and Boston; mass mail-out of the Education Plus brochure to 75,000 high school juniors; visiting private schools in South Carolina; follow-up contact with each prospect from the South Carolina Ed-Op Tour; letters to principals and headmasters of South Carolina secondary schools to solicit Citadel Scholars nominations; follow-up on all Citadel Scholars nominees; organizing and conducting Citadel Scholars Day; visits to special counties in South Carolina under the Pit Stop Program (recruiting in small towns); conducting interviews and campus tours with prospects and families; participation in Spring National College Fairs in Pittsburgh, Miami, Hartford, Houston, and Springfield; organizing and conducting alumni-prospect get-togethers in Spartanburg, Greenville, Union, Greenwood, Columbia, Sumter, and Charleston; mailing Citadel window decals to South Carolina applicants; attending the College Day Program for the Governor's School at the College of Charleston.

The recruiting office wrote, typed, and mailed 1,800 letters a month to prospects during the eight primary recruiting months. These prospects came from sources such as: ROTC scholarship lists from the Army, Navy/Marines, and Air Force; academy aspirant lists from the Military and the Air Force Academies; interest letters; personal contacts by the recruiters; names of prospects that sent The Citadel SAT scores; names from alumni and friends of The Citadel. Each of these prospects has received a personal letter from this office.

Recruiters worked closely with the Faculty Procurement Committee. Members of this group participated extensively in the Pit Stop Program. Meeting with this committee provides valuable feedback for our recruiting program. Lt. Col. I. S. Metts, Citadel 1965, has been named committee chairman for 1977-78.

Under the leadership of James E. Jones, Jr., Citadel 1958, the Cadet Procurement Program (CAPP) has remained active. A recent issue of *Alumni News* carried a post card and request from Mr. Jones for alumni to submit names of prospects. A number of these cards were returned.

The recruiting office originated and helped compile, edit, and publish a combined ROTC brochure which recruiters use to make prospects aware that The Citadel has all four ROTC branches.

With the assistance of Colonel Metts, a letter is being formulated from academic department heads to prospects according to the major in which the prospect has expressed interest.

In view of the demographic outlook which projects a decline of 20-25 percent in the national student population for the next decade, we are laying carefully our long-range plans to recruit sufficient young men to maintain a full, high-quality Corps of Cadets in the future.

F. Scholarships:

The academic scholarships continue to be a significant attraction to highly qualified high school graduates. They also serve as an incentive for cadets already enrolled in the Corps to make the extra effort to achieve academic excellence and superior all-round student records in order to qualify for the awards available to them.

For the academic year 1976-77, 389 applications were received from entering freshmen from 27 states, Washington, D. C., Canada, and Puerto Rico, and 239 from current students: 144 rising sophomores, 54 rising juniors, 25 rising seniors, and 3 veteran students. From these applications, 239 academic scholarships were awarded, ranging from \$100 for one year to all catalogue expenses for four years, for a total of \$272,224. Of these awards, 143 were made to outstanding entering freshmen. The academic scholarships are given on the basis of academic standing, leadership, and other attributes desirable for the members of the Corps of Cadets.

In addition to the academic scholarships, 222 cadets held ROTC scholarships. This figure indicates a decrease of 82 from the previous year. Thirty-four of the ROTC scholarships were awarded by the Air Force program; 38 were Army scholarships; and 150 were Naval scholarships. ROTC scholarships pay fees, tuition, books, and laboratory costs, and they give each recipient \$100 a month for 10 months of the year. Total monetary value of the ROTC scholarships was \$279,393, plus \$1,000 per year per recipient. This was an average of \$1,258 per scholarship for ROTC awards, not counting the direct payment to the cadet.

Total number of scholarships was 604 for a total amount of \$684,099, or an average of \$1,133 per recipient.

The second and final year of the Spirit of '76 scholarship program provided 99 awards of \$1,776 each for worthy young men in need of financial assistance to attend The Citadel.

A number of the established funds were increased by appreciable contributions during the year, including a \$4,000 contribution to the principal of the Captain William Forman Abernethy Scholarship Fund. These added monies will be reflected in larger scholarships in the coming years.

In addition, the Moore-Richards Memorial Scholarship and the Captain Joe Wofford Eubanks Scholarship were established. The first awards from these two funds have been made for the academic year 1977-78. Also, the Spivey Memorial Scholarship was authorized. This award pays \$2,400 a year to a student from Horry County, S. C.

Another self-perpetuating scholarship which was established during the 1976-77 academic year is the Lillian Malone and Edgar Stanton Alexander Scholarship. The first award from this fund will be made for

the college year 1978-79. The G. Morrison Myrick Memorial Scholarship Fund was turned over to the Board of Trustees of Permanent Funds of the Board of Visitors. This is not a large fund, and it may take a few years to accrue sufficient interest to make a scholarship award.

These increased benefits are especially encouraging when college costs continue to rise and more worthy students are seeking scholarship aid.

G. Student Aid Programs:

During the 1976-77 year The Citadel qualified and participated in five major Federally funded programs: Basic Educational Opportunity Grant (BEOG), National Direct Student Loan (NDSL), Supplemental Educational Opportunity Grant (SEOG), College Work-Study (CWS), and the Federally Insured Student Loan Program (FISL). Through these programs 370 students were aided with \$502,950.

To complement the Federal money, The Citadel provided aid to 48 students in the amount of \$39,545. Programs which contributed to this aid were The Citadel Development Foundation Loan (CDFL) and the Stackhouse Loans. Through the CDFL 19 students were assisted with \$16,880, and the Stackhouse funds helped 29 students in the amount of \$22,665.

BEOG

As has been our experience since the BEOG program began, each year more of our students are becoming eligible for this program. This year 158 students qualified for \$135,233. Legislation is now being debated which will increase the maximum grant from \$1,400 per year to \$1,600 or \$1,800. All information coming from Washington indicates that the amount of increase will be \$1,600 and this increase will be effective for the school year 1978-79.

NDSL

This college year 59 students participated in the program and were awarded loans totaling \$50,150. The average loan was \$850.

As of June 30, 1977, a total of \$683,186 has been loaned to 696 borrowers. Over this same period \$43,785 has been earned in interest, and loan repayments have amounted to \$274,514. In dollars, \$374,506 represents the outstanding amount of loans in this program. This figure excludes \$9,069 which was canceled due to the death of borrowers, and \$15,560 which is the portion partly canceled under the teacher cancellation clause of the NDSL Act. Also, \$2,039 has been canceled because of

bankruptcy of three borrowers and \$7,502 for military cancellations which were also excluded from the total amount to be repaid.

Because of mounting delinquencies in repayment of these loans on a national basis, the Office of Education is encouraging institutions to turn over accounts which are excessively delinquent to collection agencies. Although our delinquent accounts are in acceptable limits (\$15,701 in delinquencies which gives us a true delinquent rate of 4 per cent), we do have a few accounts which we are considering turning over to an outside collection agency.

SEOG

Through the Supplemental Educational Opportunity Grant (SEOG) 15 students were given grants totaling \$8,128. The awards are restricted to students who come from very low income families and would not be able to attend college without this grant. Awards to our students ranged from \$200 to \$1,000 with the average grant being \$542.

CWS

This was our third year of participating in the College Work-Study program. We employed 35 students who earned \$9,184. These students were paid minimum wage of \$2.20 per hour, and in January 1977 wages increased to \$2.30 per hour.

FISLP

Through the South Carolina Student Loan Corporation which administers the Federally Insured Student Loan Program, residents of South Carolina are allowed to apply for low-interest, long-term loans. Normally, freshmen applying are restricted to a loan of \$1,000. Since The Citadel's costs are greater in the first year, the Corporation has agreed to up the maximum for The Citadel's freshmen to \$1,500 per year. During the 1976-77 year 10 students were given loans amounting to an estimated \$12,750.

In addition to the aforementioned program, The Citadel maintains a guaranteeing reserve with the United Student Aid Funds, Inc. which amounts to \$212,500. As of June 30, 1977, \$94,708 of this total reserve has been committed for 79 loans which are now outstanding. Although new loans through this program are limited, we were able to assist three students with loans amounting to \$4,905. As of June 30, 1977, our unused guaranteeing capacity was \$109,824 which can be used to guarantee loans with banks which continue to make loans through the United Student Aid Funds, Inc.

Most nonresidents of South Carolina have available through their home state Federally Insured Student Loans. Some 157 out-of-state students were referred to their state programs. Since distribution methods of these loans vary greatly, we do not have an accurate account of the number of these loans granted. It is estimated that more than \$282,600 was loaned to these students.

H. Placement:

Thirty-four company visits were made to The Citadel campus this year. This was an increase over last year. Many companies that did not visit requested referrals and resumes.

Two hundred eighty-five individual interviews were generated by the visiting firms. Forty job offers were made. This was more than a 50 per cent increase above the number of offers made last year. The figure does not reflect a true picture as job offers were not complete at the time of this report.

Monthly salaries ranged from \$700 to \$1,500 for trainees. This year's high was a \$500 increase over the previous year. The salaries were in line with the national average as computed by the College Placement Council.

Demand for civil and electrical engineers and accountants continued to be heavy, although the companies continue to be very selective.

Liberal arts majors find it difficult to secure employment. The businesses and industries that employed them in the past continue to lean more towards business majors. This continues to be a national dilemma of serious consequences.

Capt. Henry A. Kennedy, Jr., Citadel 1970, director of placement, participated in the South Carolina Placement Association meeting in Myrtle Beach and the Southern Placement Association meeting in Ft. Lauderdale, Fla. He also made numerous visits to industry to improve relations with The Citadel.

I. Alumni Activities:

Alumni participation continued to increase, especially in the Association of Citadel Men. More than 5,500 alumni were members of the Association, an increase of 500 over the previous year. Citadel clubs were very active, and a new club is being formed in Hawaii.

Alumni have maintained their enthusiasm for the Cadet Procurement Program as is evidenced by the number of applications for which they are responsible. However, alumni participation in PACE (Project for Advancing Citadel Excellence) has been a disappointment.

We have now graduated 14,519 men of whom more than 12,000 are living.

Capt. Henry A. Kennedy, Jr., director of alumni affairs, visited many of The Citadel clubs and attended one alumni seminar sponsored by the Council for Advancement and Support of Education.

J. Fund Raising:

Gift income from alumni, friends, foundations, and corporations to The Citadel Development Foundation during 1976 totaled \$233,930 with rental income from the Daniel Building, 75 per cent of which is restricted to corpus, exceeding \$860,000.

The assets of the Foundation, the majority of which are represented by the Daniel Building, are \$12,162,732.

During 1976, PACE (Project for Advancing Citadel Excellence) was begun and is designed to maintain the momentum of alumni giving which was successfully achieved by the Spirit of '76 scholarship program. The PACE goal is \$626,000 in gifts to CDF to be achieved by December 31, 1978.

At the annual meeting in February, Horace L. Tilghman, Jr., was elected secretary-treasurer. Newly elected directors are Hugh Z. Graham, Jr., Citadel 1963, Edwin P. Latimer, Citadel 1931, and Thomas H. Pope, Citadel 1935.

The CDF granted to The Citadel \$315,100 for the academic enrichment of the college through faculty research grants, scholarship and loan programs, student travel, library acquisitions, and the purchase of scientific and instructional equipment. Since its inception in 1961, the Foundation has provided almost \$900,000 in grants to The Citadel.

During 1976-77, The Brigadier Club, Inc., received \$220,095 reflecting 1647 Brigadier Club memberships, 835 Century Club memberships, 96 Bulldog Club memberships, 41 President Club memberships, and 33 Grant-in-Aid Associates. The officers who guided the Club to its successful year are: Robert Calder, Citadel 1961, president; Marvin M. Thomas, Citadel 1941, immediate past president; Jimmy Jones, Citadel 1958, executive vice president; and Herbert Wilcox, Citadel 1951, treasurer.

The Brigadier Club "story" was taken to Augusta, Atlanta, Athens, Orangeburg, Hampton, Florence, Rock Hill, Columbia, Fayetteville, Savannah, Greenville, Greenwood, Spartanburg, Charlotte, Sumter, Holly Hill, Miami, and Summerton.

ACADEMIC AFFAIRS

A. General:

The full-time student enrollment was initially distributed among the various courses of study as follows:

	1st Sem. 1976-77
Biology	11.4%
Business Administration	29.0%
Chemistry (B.A. and B.S.)	4.1%
Civil Engineering	11.4%
Education	3.8%
Electrical Engineering	7.0%
English	2.6%
History	7.0%
Mathematics (B.A. and B.S.)	4.4%
Modern Languages8%
Physical Education	5.3%
Physics	1.7%
Political Science	9.6%
Psychology	1.9%
	<u>100.0%</u>

There was some decrease in political science, history, and education, and an increase in business administration and electrical and civil engineering as compared with the previous year.

Degrees awarded on May 21, 1977, were:

B.A.

Chemistry	12	3.7%
English	7	2.2%
History	27	8.4%
Mathematics	11	3.4%
Modern Languages	4	1.3%
Political Science	27	8.4%
Psychology	12	3.7%
	<u>100</u>	<u>31.1%</u>

B.S.

Biology	37	11.5%
Chemistry	1	.3%
Education	22	6.9%
Mathematics	0	0

Physical Education	19	5.9%
Physics	7	2.2%
	<u>86</u>	<u>26.8%</u>
B.S. in Business Administration	96	29.9%
B.S. in Civil Engineering	25	7.8%
B.S. in Electrical Engineering	14	4.4%
	<u>321</u>	<u>100.0%</u>
Specialist in Education	6	
Master of Arts in Teaching	20	
Master of Business Administration	29	
Master of Education	81	

The group graduating on May 21, 1977, was 54 or 14.4 per cent less than for the previous year. The per cent receiving B.S. in biology, engineering, physics, and physical education increased. Decreases in per cent were noted in history, English, political science, and education.

Thirty-one members of the Class of 1976 received degrees at the end of the summer session to give that class a total of 426 graduates. In addition, 4 Specialist in Education, 123 MAT, and 13 MBA degrees were awarded at the August 1976 commencement.

The percentage of students on the Dean's List had been rising steadily in each class for several years, but in 1975-76, the percentage decreased for all but the sophomore class. In 1976-77 there was little overall change. In addition, the percentage of freshman, as well as upperclass, cadets failing one or more courses and two or more courses during the two semesters showed relatively little change. The period of grade inflation appears to be coming to an end. It is too early to conclude that the quality of students or the effectiveness of the instruction has decreased.

The full-time teaching faculty numbered 156 for the year. By the end of the year, 103, or 66 per cent, had the terminal degree for the positions they occupy. Among the full-time faculty, there were 30 professors, 53 associate professors, 68 assistant professors, and 5 instructors. Four members of the faculty were on leave of absence, of which three were on sabbatical leave.

During the year the members of the faculty reached new levels of participation at meetings of professional organizations and learned societies. Most departments were represented at state, regional, and national meetings. Papers were presented on several occasions, especially by faculty of the Biology and Mathematics Departments. In addi-

tion, faculty from a majority of the academic departments had articles published in scholarly or professional journals or magazines. The financial support in research and advanced study projects provided by The Citadel Development Foundation (CDF) and by the Board of Visitors from the General Harry K. Pickett Fund is gratefully acknowledged.

An especially noteworthy feature of this year was the continued increase in the numbers of seminars and special lectures presented in many departments by outstanding visiting scholars and professional men and women. By sharing their knowledge and experiences with our students, these individuals contributed significantly to the enrichment of the educational processes. Again funds made available by CDF were especially helpful in bringing these knowledgeable persons to our campus.

The college hosted two important national conferences during the year. The conference on War and Diplomacy, which was sponsored by the Department of History, attracted many professional historians and scholars and resulted in an important publication of the proceedings which brought much credit to the college.

Likewise The Citadel National Student Conference on the subject: *Political Violence* was attended by distinguished panelists and student conferees from many colleges and universities. Sponsored by the Department of Political Science, this quite successful conference enhanced the academic reputation of the college, its students and faculty.

The college experienced the loss by retirement of five faculty members with long periods of significant service to the college. Included are Col. C. L. Anger, professor and head, Department of History; Col. D. A. McDowell, professor and head, Department of English; Col. E. L. Lee, professor of history; Lt. Col. M. L. Infinger, associate professor of business administration; and Maj. Charles Lucas, assistant professor of business administration. Over the years, the contributions of these professors to the well-being of the college and especially to its students have been notable. For several years, Colonel Anger had been the senior member of the teaching faculty, not only in total years, but also in terms of service as a department head.

Other changes in the faculty involved resignations by two assistant professors in the Department of Civil Engineering, and two in the Department of Education. In addition, three teachers on temporary appointments were terminated, a replacement for only one being necessary.

Because of a relatively favorable market for academic personnel, necessary replacements with excellent credentials have been employed. However, the new professors in the Department of Business Adminis-

tration were obtained only by offers of larger salaries than those in other disciplines.

In an effort to upgrade pre-professional education of our students, two faculty committees are working to study curricula, to gather data pertinent to admission to professional schools of law, medicine, and dentistry, and to advise interested students on courses of study and other activities which will improve the likelihood of being accepted. Committees dealing with law and with medicine-dentistry include appropriate professional member of the Board of Visitors. It is anticipated that the counseling and other assistance made available to students through these committees will in time lead to significantly higher acceptance rates for our students.

During both semesters the college provided a number of non-credit courses in a program of continuing education for the community. Increased activity in this public service by the college is anticipated in future years.

Cash awards for superior teaching and services above and beyond the call of duty were made possible this year by Mr. R. Hugh Daniel and Mr. James C. Self. The recipients were Lt. Col. J. H. Wittschen, business administration; Maj. W. P. Rhett, education; Capt. F. L. Wallace, biology; and Capt. D. F. L. Bernthal, business administration.

Some highlights of the academic departments are presented under the separate departmental headings.

B. Biology:

The number of students majoring in biology and the number of students taught in classes in biology remained steady for the year. The teaching load has not been reduced, but the state required load has been raised so that the biology professors need additional assignments. They have agreed to participate in teaching under a consortial arrangement with MUSC, College of Allied Health. Maj. Robert E. Baldwin returned from a year's sabbatical at the Medical University of South Carolina where he conducted research in physiology. Capt. Daniel Kline moved to the University of Florida and was replaced by Lt. Joseph L. Vorgetts, Jr., who assisted Maj. W. Bruce Ezell, Jr., on grant research. All members of the permanent faculty are now tenured. Capt. F. Lance Wallace was selected for a teaching award for outstanding teaching at The Citadel.

The members of the biology faculty have continued an interest in improving themselves by engaging in advanced study, productive research, serving on committees, and as officers of professional societies. They have received support for these activities from the regular Citadel program plus \$7,382 from The Citadel Development Foundation for

research and advanced study, \$45,500 in Federal grants, and \$13,120 from other sources. Some have also continued activities at their own expense. Six papers were published in recognized journals, and numerous papers were presented at scientific meetings. Four nationally known biologists spoke to the Biology Club or the senior seminar.

The Biology Department is in need of more space to house expanding collections, research participation by students and staff, and for orderly storage of equipment and supplies.

Congratulations are extended to the nine current graduates and six alumni who were admitted to medical or other professional schools and to the members of the Class of 1977 in biology who elected to join the armed services as commissioned officers.

C. Business Administration:

The Department of Business Administration continues to be the largest department in the college in terms of academic majors and in the number of students enrolled in classes. The number of students majoring in business administration, the number of students in business administration courses, and the enrollment in summer school courses increased during the year.

The Master of Business Administration (MBA) Program has continued to provide a broad professional training in business administration for persons working in the Charleston area. It has continued to attract well-qualified students with bachelor degrees in liberal arts, engineering, and the sciences, as well as those with degrees in business administration. Nineteen sections of graduate courses were offered in the past year, seven in the fall semester, eight in the spring semester, and four in the summer session. It is anticipated that the same number of courses will be offered in the coming year, indicating that the department is able to fulfill the demand within the Charleston community. Twenty-nine students were awarded the Master of Business Administration degree at the May graduation ceremony. This was the largest number of graduates from this program and makes a total of 101 students who have received the degree since the program began in 1972. Thirteen students will complete the program in the summer session and graduate in August 1977.

A Developmental Economic Education program for public school teachers was sponsored by the department. As part of this program an Economics Workshop was conducted in August 1976 for 30 public school teachers from School District #20. This program is funded by grants from the South Carolina Council of Economic Education and will continue and be expanded next year. In June 1977 a workshop for 45 school teachers from Charleston and Dorchester was presented.

Lt. Col. M. L. Infinger and Maj. Charles Lucas will retire as of June 30, 1977. Lieutenant Colonel Infinger has completed 29 years of service and Major Lucas has completed 31 years. This brings to seven the number of faculty members who have retired from the department since 1962 with more than 20 years of service and indicates the loyalty and stability of the departmental faculty.

Four new faculty members have been hired for next year. All have terminal degrees. As a result the department will for the first time have a departmental faculty with more than 50 per cent holding terminal degrees. Col. Donald C. Bunch, who has served as registrar since 1970, will return to full-time teaching as a departmental faculty member.

Business administration majors are continuing to provide leadership for the Corps of Cadets. Thirteen cadets majoring in business administration have earned the rank of cadet captain or higher for the next academic year, with three of our majors serving as battalion commanders.

D. Chemistry and Geology:

The two principal deficiencies in the Department of Chemistry are concerned with Byrd Hall itself. The exhaust system for the four freshman laboratories continues to be completely inadequate for the purpose for which it was designed. The variations in the temperature within the building caused by corroded and inoperative interior thermostats have presented a problem with the comfort of students and faculty particularly in the laboratories. Laboratory work cannot be accomplished at temperatures between 50 and 60 degrees Fahrenheit which is the temperature of the laboratories when the air conditioning system is operating.

Preregistration for the Fall Semester 1977 shows only a slight decrease in enrollment in chemistry courses from last year, and the size of our freshman lecture sections will have to be in the 40-45 student range again.

A review of the B.S. Chemistry program is in progress and recommendations resulting from this study will be made to the Curriculum Committee in the fall of 1977.

E. Civil Engineering:

At the beginning of the Fall Semester there were 234 students majoring in civil engineering.

New equipment has been purchased for the Surveying Laboratory, and a new duplicating machine and slide projector were purchased for general use.

Demand for our graduates is greater than in recent years, and starting salaries range between \$12,000 and \$14,000 per year. Although we encourage the better students to attend graduate school, fewer students are now doing this immediately after graduation due essentially to excellent job offers. Yet, many are later going to graduate school after military service or job experience.

Thirteen years ago a concentrated program to orient, advise, and encourage civil engineering freshmen was started and is being continued in order to motivate these students to put forth the proper effort to remain in civil engineering. This year all professors gave lectures to freshmen concerning their particular specialties, including one on engineering ethics and professionalism.

Three seminars were held in order to bring to students authorities in particular phases of civil engineering. These were "Waterfront Structures," "NASA Space Shuttle Facilities," and "Role of the Practicing Engineer in Today's Society."

Capt. E. P. Ryan was a Joint Research Member with the Biology Department on the project "Investigation of Control of Mosquitoes in Dredged Material Disposal Areas." In addition, students are engaged in minor research projects in fulfillment of senior research project requirements. Projects have gained much favorable comment from The Engineers' Council for Professional Development (ECPD) visitation authorities.

Members of the faculty have been active in professional societies and have attended many meetings and seminars. All members are registered professional engineers or land surveyors. Maj. Thomas C. Evans has been most active in the American Society for Engineering Education and the Charleston Civil Engineers Club.

The Citadel Student Chapter of the American Society of Civil Engineers (ASCE) has held technical meetings and field trips and has held joint meetings with the Charleston Civil Engineers Club and the South Carolina Section, ASCE. Also a new senior indoctrination program has been initiated in which they visit local engineering and construction companies.

The Engineering Honor Society has been reactivated with the future plan of applying for affiliation with Tau Beta Pi.

The civil engineering curriculum was reviewed in 1973 by the Engineers' Council for Professional Development and has been reaccredited for the maximum period of six years.

Various continuing education courses have been given this past fall, and others are planned for the summer school and for next fall.

F. Education:

The Education Department experienced a decline in undergraduate enrollment during 1976-77 due to the fact that psychology and philosophy were spun off the department's curricular offerings to other centers. The graduate registrations declined by 300 students, likewise due to the establishment of the Psychology Department. A total of 4,089 class registrations were tallied in education during the summer of 1976 and the 1976-77 academic year. A number of classes were held at various school centers in four school districts during the past year.

The teacher preparation program was revised with an internship plan beginning in the spring of 1978 in place of the old directed teaching program. New graduate courses were added while some courses were removed from the offerings. Closer ties were established with several school districts via cooperative programs. The special education consortium with the College of Charleston worked out smoothly which involved students from The Citadel taking several courses and faculty members interchanging assignments on the two campuses.

Faculty members in the Education Department were active in the various professional organizations of the nation and state involving program participation and the holding of offices. Col. Charles E. Hirshey was installed as president of the South Carolina Association of Colleges for Teacher Education (SCACTE) in April and will serve during the coming year. SCACTE is an association of 26 state colleges involved in teacher education programs which strives to improve education in the state and participates in national programs. Our graduates are beginning to find more competition in finding educational positions in the school due to the national oversupply of teachers at the moment. The improvement of faculty for the coming year seems assured with the addition of two new professors for 1977-78.

G. Electrical Engineering:

One hundred and thirty-nine cadets and 13 veteran students were majoring in electrical engineering at the beginning of the academic year. This is an increase in enrollment of 16 per cent over the previous year. All graduates in the job market received offers, and one will attend graduate school.

A very important milestone in the history of the department was reached in October 1976 when notice was received that our program in electrical engineering had been accredited by the Engineers' Council for Professional Development. Although accreditation was granted for the maximum period of six years, the department will be evaluated again in the fall of 1978. This (early) visitation is necessary in order to synchronize

the next and subsequent visitations to both the Civil Engineering and Electrical Engineering Departments.

Col. Oren L. Herring and Maj. Harold W. Askins became registered as professional engineers in South Carolina. Seventy-five per cent of the faculty are now registered.

Major Askins was elected chairman of the Coastal South Carolina Section of the Institute of Electrical and Electronics Engineers (IEEE).

Under the able leadership of Col. James F. Scoggin, Jr., The Citadel Student Branch of the IEEE continues to prosper and grow. The branch was recently ranked in the top 10 of 54 such branches in IEEE Region III. At the end of last year the branch had a membership of 101, the largest in South Carolina.

H. English:

The English Department provides, for all regularly enrolled students, freshman and sophomore courses in English that teach skills in communication as well as major literary works. Only one course was added to the undergraduate curriculum in the school year, 80-215, Introduction to Writing Criticism, a course designed to solve the special writing problems of English majors. No new courses were added to the graduate curriculum.

Including courses in philosophy, 20 professors in the Fall Semester taught a total of 1,519 contact students, averaging 75.9 students per professor and 11.4 hours. The same average of hours prevailed in the Spring Semester with 1,477 contact students and an average of 73.3 students per professor.

Several members of the English faculty participated in a variety of scholarly and cultural activities. Maj. J. A. W. Rembert and Capt. Kent Emery took key roles in the acquisition of a grant from the National Endowment for the Humanities to establish an interdisciplinary curriculum for a study of warfare and its impact on culture and society. Major Rembert, chairman of the committee, and Captain Emery will conduct courses in the program. Maj. Tony N. Redd's manuscript on the writings of Dame Rebecca West has been accepted for publication by a London firm and will bear the title *Rebecca West: Master of Reality*. Among other achievements, Major Redd was elected president of the Poetry Society of South Carolina. Major Redd, Major Rembert, Captain Emery, and Maj. Philip W. Leon were especially active during the year in attending scholarly meetings, serving as speakers and respondents at a number of these. Captain Emery and Major Leon were successful in publishing several articles during the year.

A "landmark" achievement for the English Department was the work of a search committee appointed to recommend a successor to Col.

D. A. McDowell, who retired after 7 years as department head and 31 as a member of The Citadel faculty. Under the able chairmanship of Col. James B. Carpenter, the committee created a model procedure for future search committees. Due to these efforts, The Citadel has acquired as its next head of the English Department Col. Arthur H. Blair, whose military and academic backgrounds well qualify him for the task.

Following the recommendations of the President's Advisory Committee, the English Department has undertaken activities to improve the communication skills of Citadel students. Under the competent and energetic chairmanship of Maj. Woodrow L. Holbein, a committee representing several academic departments will concern itself with this vital responsibility.

The department's participation in the speakers and seminars program was an address to the English Club and faculty in April by Professor O. B. Hardison, director of the Folger Shakespeare Library. He spoke on the theme of the humanities in modern society.

I. *History:*

Reflecting a national trend, the Department of History had a decline in enrollment this year. To counteract this, greater emphasis was placed on classroom presentation with the increased use of audio-visual aids. On the graduate level a new course, Afro-American History, will be offered next year to meet a growing demand for ethnic study. The outstanding event of the department was the second conference on War and Diplomacy with Capt. David H. White as director. In addition to a third conference, a seminar on the New South and a regional meeting are planned for 1977-78.

Three new members were appointed to the history faculty: Joseph F. Tripp, Winfred B. Moore, and Michael B. Barrett, a Citadel graduate. This year, for the first time, everyone in the department has a Ph.D. degree. The staff continued at the high level of distinction and achievement which it had previously established. Maj. Walter J. Fraser had a book, *Patriots, Pistols, and Petticoats*, published, and three members of the department — Col. E. Lawrence Lee, Jr., Lt. Col. Larry H. Addington, and Maj. Jamie W. Moore — have works which are ready for the publisher. Other history faculty including Col. Charles L. Anger, Majors W. Gary Nichols, John L. Brittain, Walter J. Fraser, Jr., Jamie W. Moore, and John W. Gordon, and Captains William S. West, Joseph F. Tripp, and Michael B. Barrett have had articles published or are slated to do so. Major Gordon began a collection of tapes for his project on oral history. For further scholarly attainments, Colonel Addington and Major Moore were on a leave of absence this year, the latter with a sabbatical. In the summer of 1976 Major Gordon researched in British

and French archives under a CDF grant. This summer under similar grants, Captain Tripp and Captain Barrett will travel to do research. Among the nonacademic accomplishments, it is noteworthy that Major Nichols was elected president of the South Carolina State Employees Association. Colonel Anger continued to serve on five state commissions and was chosen for the Algernon Sydney Sullivan Award.

At The Citadel Capt. John S. Coussons, Major Brittain, Cmdr. Lyon G. Tyler, and Captain West were sponsors for student groups. Particularly gratifying was the selection of a history major, Jackson L. Flake, for the prestigious Army ROTC Graduate Fellowship. For the second consecutive year, two history majors received the coveted John O. Willson Ring and the Algernon Sydney Sullivan Award.

This year marked the end of an era for the department with the retirement on June 30 of its two senior members: Col. E. Lawrence Lee, who had been a member of the faculty since 1956, and Col. Charles L. Anger, who came to The Citadel in 1941 and had been department head since 1955. Capt. John S. Coussons was appointed department head, effective July 1.

J. Mathematics:

Enrollment continues to increase in our computer science courses and in the B.A. mathematics program. There are a total of 93 mathematics majors this year as compared to 91 majors last year.

Highest priority is being given to the immediate hiring of at least one qualified individual with the Ph.D. in computer science.

Four of our former graduates are completing their master's degrees (one in business) at the University of South Carolina, and Hoke S. Hill, Citadel 1971, has completed his Ph.D. at Clemson.

Our curriculum is under constant study for needed improvements. The B.A. in Mathematics with education sequence has been restructured to comply with the "approved program" concept for certification. Our freshman sequence has been altered to make it more meaningful for liberal arts and business administration students. We are also working closely with science and engineering to insure that our courses satisfy their needs.

Papers were presented at national and regional meetings of the American Mathematical Society by Maj. Stephen D. Comer, Capt. John I. Moore, and Capt. Jon L. Johnson. Papers by Major Comer, Capt. Jean Marie Paul Pages, Captain Moore, and Captain Johnson appeared in professional journals and proceedings. Other members of the department have continued a high level of professional activities by participating in local mathematics seminars and other society meetings. Major

Comer has been granted an approved academic leave to accept a one year visiting associate professorship at the University of Hawaii.

The department is making a concerted effort to insure that teachers in the surrounding areas are aware of what we have to offer in our MAT program in mathematics. We have altered several of our courses to include materials for middle school teachers.

The department will have a pilot mathematics lab ready for the freshman class of 1977. This will provide audio-visual tutoring for students having difficulties. In addition, highest priority is being given to developing an interactive capability for our computer science students and to improving the services offered to our students and faculty by the Computer Center.

K. Modern Languages:

National and state leaders have recently reemphasized the need for colleges to enhance the oral and written ability of students to communicate. President Carter expressed his concern about the declining enrollment in foreign languages and the importance of acquiring fluency in them in order to promote "better international understanding and goodwill." Petitioned by the foreign language chairman of Wofford College and by Wofford's academic dean, Governor James B. Edwards proclaimed Oct. 9-15 as Foreign Language Week in South Carolina.

Our active Spanish Club will hold a special meeting during this period. It is hoped that Mr. George Fill, a former member of the CIA and the army officer who gave Henry Kissinger his basic training at Fort Ritchie, will be able to speak on the importance of foreign language fluency to career officers of our intelligence agencies.

L. Physical Education:

During the 1976-77 school year the Department of Physical Education was responsible for providing experiences which resulted in the acquisition of skills, knowledge, and attitudes within students in the areas of human movement and healthful living. These experiences were available through four distinct yet intersecting programs; namely, the Required Physical Education Program (RPE), the Intramural Athletic Program, the Sports Club Program, and the Professional Physical Education Program (B.S. and M.Ed.).

The undergraduate (B.S.) curriculum was thoroughly revised to provide a more logical sequence of courses and a more equitable assignment of credit values based upon varying course complexity and sophistication. Also, five courses in health education were added to the cur-

riculum which afford the student an opportunity to obtain full certification in this area.

The format of the graduate program was changed to that of the Master of Education degree (M.Ed.) which provides greater flexibility and includes a thesis option for the exceptionally gifted student.

The Required Physical Education Program was expanded to include track and field, flag football, Sigma Delta Psi, modern bicycling, orienteering, and water skiing, bringing the total course offerings to 33.

Intramural athletics continued as the hub of campus activity with its services reaching 94 per cent of the Cadet Corps with five companies having 100 per cent of their complement involved in sports activities. Company F won the regimental championship with Cadet David Rogers being selected as intramural athlete of the year, Cadet Jim Peterson as the outstanding athletic officer, and Cadet Dennis White as the outstanding athletic sergeant.

The Sports Club Council continued to administer 12 activities involving more than 350 cadets and veteran students. Although a winning season was not the primary objective, respectable records were produced by all clubs.

In addition to the aforementioned programs, the Deas Hall complex was available to the students, faculty, and staff of The Citadel for open recreation at least 40 hours a week. Also, an agreement was made with the Medical University of South Carolina permitting students and faculty to use the facility during specified periods amounting to 20 hours a week.

A coordinator of continuing education was hired to conduct various physical education courses for the community at large. During the year more than 200 Charlestonians were served through this effort.

The Department of Physical Education faculty was again quite active within the South Carolina Association for Health, Physical Education and Recreation with Lt. Col. Melvin H. Ezell, Jr., serving as past president; Lt. Col. Frank L. Feigl as executive board member at large; Maj. John P. Smyth as editor of the association journal; Maj. D. Eugene Styles as vice president for the Physical Education Division; and Captains Keith E. Hamilton, Thomas L. Cronan, III, and Gary L. Wilson as associate editors of the journal.

During the school year each member of the faculty submitted at least one article for publication and a presentation at a professional meeting. Consultant services were also provided to local schools and community service organizations. Cooperative programs were continued with the Charles Webb Rehabilitation Center, the Lung Association, the Heart Association, and the Charleston Program for the Behaviorally Handicapped.

The Citadel was represented at more than 30 local, state, regional, or national conferences, workshops, or symposia including the American Alliance for Health, Physical Education, and Recreation, the American College of Sports Medicine, and the National Intramural Association.

M. *Physics:*

The growing demand for and interest in physics is shown by the large number of freshmen (19) who elected to major in physics and by the steady increase in enrollment in the introductory courses in the physics department. Where five years ago, we handled 17 full-time equivalent students per faculty member, we now handle an average of 22 students with the same staff.

Over the past five years much of our budget has been used to buy additional laboratory equipment, and the split-lab has now been eliminated. A split-lab has two types of apparatus set up, with half the class doing one experiment while the other half does the other. At the next lab, the student does the experiment that he has not yet completed. Eliminating the split-lab has minimized confusion and explanation and thereby allows the student maximum time for the experiment. The quality of teaching has noticeably improved. In addition, we have enough sets so that we can handle 30 students in a laboratory. It is noteworthy that costs of apparatus have increased by a factor of 5 to 10 times in the past 20 years.

Major thrust will now be placed on apparatus suitable for classroom demonstration. Where we have now up to 75 students in a lecture, it is essential to have equipment which clearly illustrates important principles of physics and also arouses interest while stressing the complexity and capability of modern developments. We are working on the practicality of small computers which can be set to display graphically in the classroom the application of basic laws of physics to practical situations. With TV monitors already in use in the lecture room, this should be an interesting and effective technique.

Three senior physics majors used nuclear facilities at the University of South Carolina for their senior research projects, and a fourth did a study of the properties of retro-reflectors for the Department of Transportation of the City of Charleston. Maj. Joel C. Berlinghieri has an article in the *Journal of the Acoustical Society of America*. This summer he will be working for two weeks at the Massachusetts Institute of Technology in the field of modern optics and will attend a meeting of the Instrument Society of America. Col. Roger S. Bender spent from June to December of 1976 on sabbatical research in nuclear structure with Dr. Griffiths of Kings College at the Harwell and Rutherford Laboratories in

England. This summer Colonel Bender will attend a series of lectures on physics demonstrations at Virginia Military Institute.

N. Political Science:

The Department of Political Science, in terms of majors, was for the Spring Semester the second largest department at the college. Approximately 250 students enrolled as majors and more than 800 students took courses in the department each semester. Political science students have represented The Citadel at conferences at the service academies and other universities and have made major contributions to these conferences.

Academic year 1976-77 was a very active and successful one for the faculty of the department. The members attended meetings of the various professional organizations. Some have published articles; others are preparing manuscripts for publication. One received a grant from The Citadel Development Foundation for post-doctoral research. Maj. Tod A. Baker, who was on sabbatical leave in order to do research at the University of California, Santa Barbara, will be returning in the fall of 1977.

The department expanded its speaker series and made greater use of guest lecturers. Seven distinguished scholars participated in the speaker series. Gen. Andrew J. Goodpaster, John C. West professor of government and international studies, and Ambassador William Handley, diplomat in residence, lectured to several political science classes during the year. The second annual Citadel National Student Conference was held March 3-5, 1977. The topic for the conference was "Political Violence," and the keynote speaker was Mr. George Bush, the former director of the Central Intelligence Agency. On March 23-27, 1977, the department conducted a workshop on "Clustering Techniques as a Research Tool" which was financed by a grant from the National Science Foundation.

Two new electives, Law and the Legal Process and Criminal Justice, will be offered next academic year. Changes were made to several courses in sociology, anthropology, and political theory. The department will increase its offerings in the interdisciplinary studies.

Members of the department have been very active in college and community affairs.

O. Psychology:

The Department of Psychology was officially established in October 1976. Prior to this, an undergraduate major in psychology was in existence, but it was administered by the Department of Education. The

new department is located in a recently renovated portion of the second floor of Thompson Hall.

The program in psychology emphasizes the contribution that psychology can make to a liberal education through stimulating intellectual development, personal growth and adjustment, and the feeling of social responsibility. The curriculum in psychology is designed to familiarize the student with current methods and theories in such fundamental areas of investigation as motivation, perception, learning, personality, and social interaction.

The academic year ended with a total of 38 psychology majors. Of the 11 majors who graduated in May, one was selected for *Who's Who in American Colleges and Universities* and one was a winner in a major competition sponsored by the South Carolina Psychological Association.

Faculty members were involved in numerous scholarly affairs, research, and instructional enterprises during the year. Col. D. Oliver Bowman presented several lecture-workshops, discussed "life styles" on a radio program, and appeared as a panelist at several professional meetings. Maj. Michael D. Doran and Capt. James D. Pietrangeli presented a joint research paper to the South Carolina Psychological Association. They have one paper accepted for publication and are completing a second research paper, both made possible by grants from The Citadel Development Foundation.

Course enrollments were stable throughout the year. During the academic year, 782 students enrolled in psychology courses: 386 in the first semester and 396 in the second.

The department has three immediate objectives: to revise and strengthen the undergraduate curriculum, to employ an additional full-time faculty member, and to attract first-rate students into the major.

P. Summer School:

Successful operations continued, as shown below:

	2nd Half 1976	1st Half 1977
Cadets, prospective cadets, and special students (ex-cadets)	372	553
Veteran students and evening students	103	132
Non-Citadel transient students	139	163
Graduate Students	417	780
	<hr/> 1,031	<hr/> 1,628

The enrollments were down considerably in the second half of 1976, compared with 1975, and the first half of 1977 was about 3 per cent below that of 1976. The highest increase was in graduate students. The big

difference between the two sets of figures shown is due principally to the fact that students enrolled in the summer school evening classes are included in the figures for the first half of the summer sessions.

There continues to be a smaller number of transient students from other colleges in our summer school in comparison with a few years ago. The causes of this decline include the increasing competition among local colleges for students and the requirements by many colleges that their regularly enrolled students may not get authorization for courses taken outside the parent institution.

The acceptance of our summer offerings by our regularly enrolled students and many others in the Lowcountry area enables the college to offer year-round educational opportunities, provides our faculty with summer employment, and enhances the educational status of teachers and educators, business and other personnel, as a continuing activity. The tuition fees collected are adequate to cover all the instructional costs involved.

Q. Evening College and Continuing Education:

The evening college offered for the fourth consecutive year an evening summer session during the summer of 1976. The session began on June 7 and ended on July 22 (7 weeks) with an enrollment of 138 students. The 1975 student enrollment was 133. Of the 13 courses offered, the enrollment was sufficient to keep 10 courses. The availability of faculty to teach in the evening summer session continues to be limited due to the demand for faculty in the regular daytime undergraduate and graduate sessions.

During the Fall Semester there were 262 students enrolled in the undergraduate evening college. Total course enrollment was 544. Of the 40 courses offered to students, 35 courses were retained. During the Spring Semester there were 292 students enrolled with a course enrollment of 448. Of the 38 courses offered to students, 35 were retained. A comparison of total student enrollments and course enrollments for the 1975-76 and 1976-77 academic years shows a decline of 131 students (685 to 554); however, course enrollments remained approximately the same (1,077 to 992). The major decline in enrollment occurred during the Fall Semester (356 to 262) whereas the Spring Semester enrollment was nearly the same (322 to 292).

During the 1976 Fall Semester, 13 non-credit short courses were offered to the residents of the Greater Charleston Area. The course "Metrics for Everyone" was again offered as a community service (no tuition charge) to assist the residents of this area in developing the basic knowledge and experience necessary for conversion from the English to the metric system of measurement. Total enrollment for the 13 courses

was 190 students. During the 1977 Spring Semester, 16 non-credit short courses were offered with a total enrollment of 419 students. A series of dialogues on international affairs (three separate seminars) were offered as a community service and were well received by the general public. Total enrollment for all non-credit courses and/or seminars during the 1976-77 academic year was 609 students.

R. *Graduate Programs in Education:*

The graduate programs in education (Ed.S; MAT; and M.Ed.) appear to have reached a plateau after several years of consistent growth. In the year covered by this report there has been a break in this growth pattern; in fact, the enrollment figures indicate a slight decline of about 4 per cent in course enrollments. Nonetheless, the programs remain vigorous, but this trend may demand the exploration of new approaches to serving the community needs in the area of teacher education.

The importance of this program to the Lowcountry is seen in the fact that 4,068 persons have been accepted for admission since the introduction of the MAT in 1968. Some 613 persons were admitted during the 12 month period covered by this report. Women continue to outnumber men by a ratio of almost 3:1 while blacks make up some 28 per cent of new admissions.

A more careful analysis of enrollment and admissions data suggests a number of tentative conclusions:

1. There has been a leveling off of enrollments in the counselor education, reading, and master's level administration programs;
2. There is a significant increase in the number of students who are *not* pursuing degrees (many of whom already hold a master's degree);
3. There is need to explore the development of new areas in order to stay abreast of changing emphases in the field of teacher education with particular attention to certificate programs in special areas and on-site instructional programs;
4. Programs for individuals seeking initial entry into professional education will continue to decline numerically while in-service programs provide considerable opportunity for development.

Significant Events

During the past year (ending June 30, 1977) 234 advanced degrees were awarded in the area of education. In this same period 254 persons were admitted to candidacy. While this represents a solid corps of in-process students, it also reflects a slight decline from the prior year where 293 students were admitted to candidacy.

Spring 1977 saw the initiation of the cooperative program in special education in which The Citadel and the College of Charleston share faculty and resources. The first semester of this effort confirmed the feasibility of the program. Most of the anticipated problems did not occur.

The graduate programs in education were again reviewed by a visiting committee representing the National Association of State Directors of Teacher Education and Certification as well as the South Carolina State Department of Education. All programs received accreditation with most (all but the programs in elementary and secondary school administration) rated as completely meeting the specific standards.

Actions of the Graduate Council

The Graduate Council met seven times during the year. Among their actions were:

1. Approval of 25 new courses;
2. Elimination of the "admission to candidacy" procedure and substitution of a "planned program" procedure;
3. Approval of a change in format in the M.Ed. program in physical education;
4. Approval of the development of a proposal for an M.Ed in school psychology to be prepared by the Psychology Department for submission to the Consortium and to the Commission on Higher Education.

Concluding Statement

The trends noted this year appear to confirm the movement in graduate education toward a greater emphasis on in-service competency programs with less concern about degrees. There is reason to believe that the continued health of these programs calls for exploration of new course sequences and new approaches to providing meaningful experiences to a population much in need of specific learnings but less in need of traditional programs.

S. Computer Center:

The Citadel Computer Center's volume has continued to increase at an even greater percentage than in previous years. The overall percentage of increase in the Computer Center's usage during the 1976-77 college year was significant.

The utilization of the computer has expanded into most departments at The Citadel as more of the faculty and students become aware of the resources which are now available to them.

During the year, several members of the University of South Carolina's Computer Services Division visited The Citadel for consultations, discussions, and seminars. Included in these visits was a consultation with Miss Tina Mosier in November of our current security system. Several recommendations were forthcoming and have since been implemented.

In May, we invited the director of computer services at the University of South Carolina down for a seminar open to all interested faculty, staff, and students. Mr. Jack Cooper and one of his department directors, Mr. Charles Poole, gave a very informative program on the large number of computer programs now available for teaching and administrative uses, as well as student use. He also gave an outline of what was being processed for the near future. It has been decided that two workshop sessions will be held in the fall as assistance in teaching practices to interested faculty and department heads.

In June, Mr. Steve Sabin and Mr. Mark Jankowski came to The Citadel, at our request, to explain the conversion and uses of the University of South Carolina's new Mass-Storage System and Resource Access Control Facility (RACF), which is available for Citadel use.

The increase in the Evening College, MAT, MBA, and summer students, along with full-time students, has been significant. We expanded the number of cadet operators and daily runs to give faster turn-around service to the students and to help accommodate the heavier work load. This was hopefully a help during the last semester; however, we were informed that these services were still inadequate for department heads and students. The Computer Center was also opened on Saturday and Sunday from 1 to 5 p.m.

Listings of programs and services are available upon request. Our small staff does not allow a feasible amount of time to publish these for distribution.

Plans and recommendations for the next fiscal year are to lease an additional printer so that two programs could be printed at a time and thus give faster service to students. Along with the additional printer, etc. we find that we have outgrown our currently available space and that it has become necessary to request additional rooms and keypunch machines for student use. During the Spring Semester many students found it literally impossible to get into the room, let alone find a keypunch machine available.

We also feel that a full-time student operator to expedite service is necessary. It is also evident that The Citadel needs to install interactive computers on campus in order to remain competitive with other area colleges and universities. We are falling behind with our outdated equipment and services, and in order to attract the desirable students at The Citadel, we feel we must keep up with the times.

T. The Daniel Library:

The Daniel Library had a successful and very busy year both in growth and collection and use of materials.

The long awaited report from the Commission on Higher Education, "Resources of South Carolina Libraries," appeared, and in its analysis of state library needs, the Daniel Library came off fairly well. In two of the three criteria for judgment, the Daniel Library ranked average or above. Only in the size of the library staff did The Citadel get an insufficient rating, but even there we were in striking distance.

Library Materials

Inflation continues to cause an erosion of our acquisitions program, and as a result fewer books were added to the collection than in the last few years. Only 5,087 bound volumes were purchased, processed, and cataloged during the year as compared to 6,637 the year before. However, these books were selected carefully to meet the needs of the faculty and student body. This brings to 153,132 the number of volumes in the Daniel Library. In addition, 36,827 pieces of microfilm and microfiche were added bringing our total holdings up to 367,228. Noncataloged but of tremendous reference value is the collection of government documents. This year 3,954 items were added to that collection, bringing documents holdings to a total of 35,351.

Therefore, despite fewer acquisitions due to inflationary pressure, the Daniel Library collection continues to grow and to adequately meet the needs of our student body.

Library Use

Library use this year has shown an amazing increase over recent years. This year 41,595 items were circulated for use outside the building as compared with 36,399 items last year. This was an increase of almost 15 per cent and is particularly gratifying since the use of the Daniel Library by other members of the Consortium has stayed the same for the past year. In like manner, the in-house use of the periodicals, reference materials, and microform materials has increased markedly.

Library Staff

After seven years of stable staff relations, the current year has seen many problems caused by health which are currently under control. The most telling personnel change was caused by the death of Capt. William D. Laws who had served as documents and serial librarian for nine years. He has been replaced by Lt. Dorothy Floyd, the first woman on the professional library staff of the Daniel Library. Mrs. Floyd came to The

Citadel with several years experience in military and academic libraries and, therefore, was able to fit right into the library program of The Citadel.

There has been the normal turnover of the clerical library staff, but all key members of that group are still with the Daniel Library.

Future Considerations

The biggest single problem facing the Daniel Library continues to be the problem of library security and the need for some sort of mechanical means of book detection. The security people are investigating this problem and have recommended the installation of a checkpoint security system. This will enable The Citadel to continue to serve members of the Lowcountry Consortium without tempting them to steal our books since our library is the only one that does not have such a system.

U. Archives-Museum:

In the past year, the Archives has received much material on deposit. More than 100 linear feet of documents were received, as well as approximately 500 photographs. Major additions were made to The Citadel Presidents' Collections, which included the collections of Generals George M. Seignious, II; James W. Duckett; Hugh P. Harris; Mark W. Clark; and Charles P. Summerall.

Scholars and film producers from throughout the world utilized the General Mark W. Clark Collection.

Processing work has continued on the L. Mendel Rivers Papers. The Archives still maintains the papers of General William C. Westmoreland.

Significant donations have been made by Adm. Arleigh Burke, Col. D. D. Nicholson, Col. James R. Woods, Col. Charles L. Anger, and Lt. Col. M. C. Helfers.

An additional 200 linear feet of shelving was installed in the Archives, and The Citadel still maintains its record of having the second largest collegiate archives in the state. The University of South Carolina maintains the largest archives in the state.

Archivist Martha N. Beasley is supervising archives activities in the Oral History Project, sponsored by the History Department.

Museum activity and attendance continued to increase during the past fiscal and final year of the Bicentennial. Attendance rose to approximately 40,000 visitors annually. More schools (i.e. particularly secondary schools) visited the Museum. This is due to such factors as: increased activity on campus, more student trips to Charleston from public schools throughout the state, the recruiting office's attempt to encourage cam-

pus visitation by junior ROTC units, excellent tours provided by the public relations office, and Charleston attractions such as the Spoleto Festival.

The following special exhibits were displayed in the Museum this fiscal year:

1. Patriots Who Made The Revolution — July 1, 1976 to August 31, 1977.
2. Ukrainian Heritage Exhibit — December 1976 to January 1977.
3. American Naval Prints — May 15, 1977 to June 15, 1977.
4. Black Innovators — June 1, 1977 to August 3, 1977.
5. America's First Ladies — November 12, 1977 to December 11, 1977.

Donors to the rapidly expanding Museum collections included: Col. Donald Collins, Col. Grover C. Criswell, Lt. Col. Horace E. Crouch, Mr. and Mrs. James E. Johnston, Mrs. Frances C. McFarland, and Mrs. Jean R. Van Hagan.

Approximately \$2,000 was spent on restoration and display of the Civil War Garrison Flag (10 feet by 20 feet) which flew over the Old Citadel and was captured by Federal troops on February 17, 1865. A special dedication of this flag was conducted on Homecoming Weekend. Participating in the dedication of this flag, the largest known Confederate Flag from the Civil War, were Lt. Gen. George M. Seignious, II; The Honorable John D. Bradley, III; Capt. W. W. Wannamaker, Jr., USNR; Col. Sidney R. Crumpton; Mrs. LaVerne H. Watson, director of the Confederate Relic Room; Col. Charles L. Anger, head of the History Department; and Lt. Cmdr. Mal J. Collet, director of the Archives-Museum. The Citadel is especially grateful to former Governor John C. West for the return of this flag to its origin.

The Museum made more than 3,000 loans to cadets, students, faculty, and staff and school, church, and civic groups.

The Museum staff assisted nearly all departments on campus. The largest project was assisting in the decorations of Coward Hall. Art commissions in excess of \$2,400 were made to five South Carolina artists.

A film series on Western Thought was conducted in the Museum. Faculty participating in this series, by introducing and analyzing films, included Col. Roger S. Bender, head of the Physics Department; Capt. Robert H. Lichtenbert, assistant professor of philosophy; Maj. James A. W. Rembert, associate professor of English; Maj. Paul J. Kingston, professor of political science; and Commander Collet.

The Museum in conjunction with the Trident Work Experience program provided employment for high school students from the

Charleston inner-city, as well as college students from Johnson C. Smith University and Tuskegee Institute.

The Museum staff worked in support of many cadet organizations. The most notable were the Cadet Museum Committee, Touchdown Cannon Crew, Wargames Club, and the Palmetto Company.

MILITARY AFFAIRS

A. General:

Col. Walter B. Clark, the professor of military science, served his third year as commandant of cadets during college year 1976-77. The professors of aerospace studies and naval science served as deputy commandants.

Under the provisions of Department of Defense Directive 1215.10, Army Regulation 145-1, Naval Bureau of Personnel Instruction 7220.22, and Air Force Regulation 45-25, a joint inspection of the military program of the college was completed on September 29, 1976. The inspection team found that The Citadel was qualified to retain its class MC (Military College) designation and thereby qualify to receive the special rate of commutation in lieu of issue of cadet uniforms.

B. State of Training and Discipline of the Corps of Cadets:

Discipline — The daily volume of delinquency reports continued a gradual decline from the volume noted two years previously and during school year 1975-76. This was primarily due to an increase in cadet self-pride and Corps pride, and also cadet response to instruction and positive methods of leadership and on-the-spot corrections. Under the leadership of the officers of the Cadet Corps, the Corps showed an increasing belief in its ability to run itself under the cadet chain of command.

Other Areas — During school year 1976-77, the Cadet Corps continued its enthusiastic and willing support of the American Red Cross Blood Donation Program.

Officers assigned to the three ROTC detachments continued to perform the duties of tactical officers, officer-in-charge, officer representative to varsity athletic teams, and to a variety of other campus duties. Officers and noncommissioned officers of the three services continued to give unselfishly of their time and talents in support of all Citadel activities.

C. Operations and Plans:

A highly successful cadre training program was conducted for some 350 cadremen of the upper three classes during August 1976. The

training period was of one week duration. Increased emphasis was placed on the development of leadership qualities in cadre members, with special lectures and problem-solving seminars being devoted to this subject, refresher training in military drill and ceremonies, training techniques, and instruction for assisting fourth class cadets in identifying and solving personal problems.

The organization of the Corps continued as a regiment consisting of four battalions. Cadet James M. Johnson, Jr., served with considerable distinction as regimental commander, and his leadership was instrumental in the increasing ability of the Corps to command itself and in the increasing Corps pride that was evident throughout the school year.

In the fall of 1976, it was recognized that a need existed to better prepare the young corporal to carry out his duties and leadership responsibilities. Plans for this training were developed, and the program began in early April 1977. Eighteen fourthclassmen from each company were selected to receive this training. Selection was based upon academic achievement, peer ratings, and an order of merit list prepared by the company tactical officer and designated members of the company chain of command. During the training, each fourthclassman's progress was evaluated by a cadet NCO and given an examination upon completion of the training program. These factors were used in selecting those to be appointed to the grade of corporal for school year 1977-78. This program was well received by the Corps and has undoubtedly better prepared the young corporals to carry out their duties in training, counseling, and disciplining the fourthclassmen, beginning on August 22, 1977.

Company C was honored during the year for outstanding achievement. That company was awarded the Commandant's Cup and was thereby designated the Corps' Honor Company in recognition of its highest overall standing in military drill and ceremonies.

The procedure for presenting preliminary training for fourth class athletes was again utilized with great success. All scholarship athletes reported to the college eight days prior to the normal fourth class reporting date and underwent early processing, indoctrination, and training prior to the arrival of the majority of the fourth class. This freed fourth class athletes to participate in the two-a-day football drills with minimum interference and harassment.

In support of the nation's Bicentennial year, the Cadet Corps willingly and with considerable enthusiasm participated in an exceptionally large number of Bicentennial activities. A Palmetto Company of cadet volunteers was established to re-enact the firing by Citadel cadets on the Federal supply ship *Star of the West*. This colorful spectacle, employing period weapons and uniforms, was presented before thousands of spec-

tators at Brittlebank Park on the banks of the Ashley River on February 5, 1977.

The Summerall Guards, The Citadel Band, Bagpipers, Choir, Palmetto Company, and Color Guard enjoyed an extremely active and highly publicized year in Bicentennial and other ceremonies conducted both within the state and other locations. The Summerall Guards made its annual trip to New Orleans, La., and participated in the Mardi Gras parade. The trip was a complete success.

D. Special Activities:

A contingent of nearly 470 cadets, primarily fourthclassmen and the Band, made the trip by bus to Clemson, S. C., to attend the Clemson University vs. The Citadel football game on September 11, 1976. Also, some 400 cadets, including the Band, traveled by bus and attended the Furman University football game on September 25, 1976. Both trips were completely successful, without incident, and thoroughly enjoyed by all participants. Trips of this nature continue to provide support for the Bulldogs during the away games and serve as a morale booster for the fourthclassmen.

On November 12, a color guard was provided for the Bicentennial Freedom Train during its visit to Charleston.

A color guard was provided for the Kentucky Derby. The color guard opened the ceremony and was covered on national television.

Nineteen cadets were provided as escorts at the Rose Festival in Orangeburg, S. C., on May 7.

On May 14, the Summerall Guards served as escorts for participants in the Miss USA Pageant here in Charleston. The Band and the Bagpipers also participated. This provided exceptionally fine publicity for The Citadel since it was shown on national television and seen by some 70 million people.

The fifth annual Cadet Talent Show of the current series was held during the spring of 1977. This show was enjoyed by an unusually large number of cadets and by a sizeable number of Charleston visitors.

E. Uniforms for the Corps of Cadets:

After extensive testing, the president and the Board of Visitors approved the adoption of a new duty uniform and a new leave uniform to be worn in the fall and spring. The new duty uniform consists of cadet grey trousers (65 per cent polyester and 35 per cent cotton) with a black stripe down the legs, to be worn with a lightweight short-sleeve grey shirt and black overseas cap. The new leave uniform consists of a lightweight tropical worsted cadet grey trousers with a black stripe down

the leg, to be worn with a short-sleeve white shirt with light blue shoulder boards and the white cap.

The above described leave uniform was available for purchase and wear on an optional basis during the current school year. Beginning in August 1977, these uniforms will be issued to all fourthclassmen in lieu of the grey cotton uniform. The latter uniform will be phased out over a three-year period. Hence, those upperclassmen having the grey cotton duty uniform will be permitted to continue wearing it until they graduate.

This change in uniform is being accomplished to effect an improvement in the personal appearance of the cadets, and their comfort.

F. Department of Military Science:

1. General:

The Military Science Department consisted of 13 Citadel officers, 7 noncommissioned officers, and 5 civilians, for a total of 25 personnel during the 1976-77 school year. Col. Walter B. Clark, Citadel 1951, performed his duties for the fifth year as the professor of military science and concurrently held the position of commandant of cadets. Ten members served as tactical officers with one officer serving as head of the Joint Operations Center and one serving as the Army representative in that office.

Army detachment officers also served as representatives to the football, baseball, basketball, track, crew, lacrosse, and martial arts teams. Two officers served as coaches to the rifle team, and one noncommissioned officer served as an instructor to the scuba club. Detachment personnel supported other campus activities as advisors to the Junior Sword Drill, Summerall Guards, Bloodmobile, Sunday Color Guard, Association of the United States Army, Airborne Ranger Club, and Afro-American Club. One officer was in charge of the cadet participation in the Miss South Carolina Universe and the Miss Universe USA Pageants. Many officers participated in the Fourth Class Sponsor Program. In addition to Citadel activities, two detachment officers conducted annual inspections at five Junior ROTC programs in the South Carolina-Georgia areas during February 1977.

During the past year, two members of the detachment were cited for meritorious service in previous assignments with the awarding of one Joint Service Commendation Medal and one Army Commendation Medal. Two other members, Maj. Clifford A. Crittsinger and SFC Michael K. Flynn were promoted to their present ranks during the period.

2. Enrollment, Scholarship, and Recruiting:

Twenty-six per cent of the fourth class cadets entering The Citadel in the fall selected Army ROTC. This figure was consistent with fourth class enrollment in recent years. Approximately 50 per cent of those cadets taking Military Science 300 and Military Science 400 instruction were formally enrolled in the advanced program and were actively seeking commissions. During the past year (SY 1977) 44 cadets received commissions in 9 different branches; 19 of these were appointed to the Regular Army.

Enrollment efforts continued to be extensive while working hand-in-hand with The Citadel recruiting office. Representatives from First ROTC Region Headquarters (Advertising and Information) visited the campus during the past spring with the intent to further refine and improve enrollment activity. Efforts continued to attract those individuals interested in attending West Point, but who do not receive appointments there. A contingent of 10 cadets and 1 officer attended the National AUSA Convention in Washington, D. C., where they told The Citadel story.

The projection is that between 28-30 per cent of the incoming freshman class will select Army ROTC. Formal enrollment in the advanced program for SY 1977-78 will greatly increase. As of graduation day 1977, 71 sophomores had applied for an Army ROTC contract beginning next year.

3. Military Training and Activities:

The training emphasis again this year was placed on preparing the MS III cadets for ROTC advanced camp and the MS IV cadets for commissioning. Several innovative approaches were used to enhance their preparation.

The preparatory training intensified in January with the initiation of the physical fitness program and the required viewing of 23 hours of audio visual training extension course programs on fundamental military skills. To facilitate the viewing of these programs, an individual learning center was established. To date, cadets of all classes have completed 350 hours of study in the individual learning center. This individual study was supplemented in March with six hours of hands-on training followed by a military stakes exam which evaluated the training extension course and hands-on instruction.

The physical fitness instruction consisted of bi-monthly advanced physical fitness tests (APFT's) and remedial PT three times a week for those who were not able to satisfactorily complete the APFT.

The field and tactical skills of the MS III cadets were sharpened during three field training exercises. Land navigation skills were emphasized on each exercise and consisted of day and night compass

courses, practical work during small patrols, and an introduction to orienteering.

Tactical knowledge and skills were developed in a building block fashion. Beginning with the tactical training of the individual soldier phase and progressing through squad movement, defense, offense, and patrolling and culminating with platoon movement, offense, and defense. All this instruction consisted of hands-on, practical exercises which focused on leadership. During the FTX at Fort Jackson, S. C., each cadet fired for record with the M-16 rifle and received training on the 81mm mortar.

The final factor in the MS III cadet training was a seminar conducted by this year's distinguished military graduates. The seminar targeted at the real world problems and the motivation necessities of advanced camp. The distinguished military graduates wrote and distributed a field booklet of notes and tips from last year's camp. In addition to the campus training, 16 MS III volunteers participated in training with the 82nd Airborne Division during the Christmas furlough.

The MS IV cadets participated as instructors and assistant instructors in each phase of the MS III training which gave the MS IV cadets invaluable experience.

The Cordell Airborne-Ranger Company enjoyed a prosperous year, highlighted by intense and varied training covering a wide spectrum of activities. This year's training program was an expansion and refinement of the previous year's effort. Training was conducted with the Fall Semester's classes and exercises being directed at individual, squad, and patrol-size skills. During this period, the upper class trained the company in skills such as land navigation, weapons, and advanced pathfinder techniques. The Spring Semester brought a shift to more advanced patrolling under progressively more rigorous and less controlled environments. The semester featured three airmobile exercises to various parts of the state and culminated with an intense 30 hour air assault and extended raid problem at Fort Stewart, Ga. The exercise required the cadets to use all of the skills they had learned throughout the year and was the successful capstone to the year's training. Brig. Gen. Donald E. Rosenblum, Citadel 1951, observed portions of the training.

The Citadel Company of the Association of the United States Army (AUSA) continued to be one of the most active organizations on campus with a regular membership of about 140 cadets. Meeting once a month, its activities included films on military techniques and history and on-campus speakers. Nine members and one officer attended the national convention where The Citadel Company was nationally recognized for having the best overall meeting during the previous year. In late April The Citadel Company sponsored a social event for all Army

cadets with the Dining-In at Charleston Air Force Base Officers' Open Mess. The guest speaker was Lt. Gen. Edward C. Meyer, deputy chief of staff for operations of the Army. Entertainment was provided by the Cadet Glee Club and members of the first class; awards were presented to outstanding cadets for military proficiency.

4. Cadet Accomplishments and Honors:

Army cadets continued to be competitive both at The Citadel and against ROTC students from other colleges in both achievement and honors. Thirteen of the 37 key positions within the Corps of Cadets were filled by cadets in the Army program, including the regimental executive officer, 1 battalion commander, 2 battalion executive officers, 8 company commanders, and the regimental operations officer.

Awards won in national competition included the Legion of Valor Bronze Cross for Achievement, presented to Cadet Scott D. Dorney; the American Logistics Association Award presented to Cadet David A. Pattillo; the Society of American Military Engineers Award of Merit to Cadets Robert L. Minasian, Jr., and Michael S. White; and both the Armed Forces Communications and Electronics Association National Honor Award and the American Defense Preparedness Association Award presented to Cadet William T. Autry.

At regional and state level, Cadet John Gordon, IV, received the South Carolina Medal of Merit; Cadet Michael S. White was presented the South Carolina Chapter Award of the Armed Forces Communications and Electronics Association; Cadet Carlos Angueira received the Sons of the American Revolution Society ROTC Medal; Cadet John R. Leonard was the recipient of the South Carolina Daughters of Founders and Patriots of America ROTC Medal; Cadet Coleman F. Smoak received the AMVETS ROTC Award; the Reserve Officers Association presented the ROA Department of South Carolina Awards to Cadets Fred V. Flynn, John W. Falkenbury, and Brian R. Baldy; the Veterans of Foreign Wars ROTC Medal was presented to Cadet Oscar L. Holland, Jr.; Cadets William H. McFarland, Charles A. Griffin, Tony M. DeWitt, and Robert B. Miller received The American Legion Awards for Academic and Military Excellence; the National Sojourners Americanism Award was received by Cadet Carol L. Mahaffey, Jr.; Cadets Scott D. Dorney, Michael S. White, Thomas J. Ross, and Kevin P. Logan received the Department of the Army Superior Cadet Decoration Award; Cadet Timothy E. Duncan received the Association of the United States Army Award; and Cadet Daniel F. Foley was the recipient of the Military History Award jointly presented by the Chief of Military History of the United States Army and the Association of the United States Army.

Army cadets receiving Citadel awards were: Cadet Jacob T. Ward recipient of the Widder Award; Cadet Scott D. Dorney who received the Algernon Sydney Sullivan Award; Cadet Daniel P. Bolger recipient of the William M. Hutson Award; Cadet Michael M. Hawkins who received the American Legion College Award; and Cadet Clinton J. Butler who received the General Hugh P. Harris Military Stakes Award.

During the summer of 1976, three Army cadets earned parachutist wings at airborne training and eight were selected for and participated in the Army Orientation Training (AOT — Third Lieutenant Program) with units at Army posts.

5. Future Plans:

SY 77-78 will be highlighted by a significant reorganization of the detachment's instructors and the program of instruction (POI). These changes will realign the instructors from the current MS level association to a specific subject area committee. This will allow the instructors the opportunity to become experts in their areas, expose them to each MS level, add continuity for the subject through the four years, and, most importantly, improve the quality and professionalism of the instruction that the students receive. The four committees will be tactics, military history, leadership, and general military subjects.

The restructuring of the POI was based on specific objectives for each MS level. MS I's objectives are to encourage enrollment through the use of adventure/appealing hands-on training. This training will focus on teaching the individuals soldier's skills and knowledges. MS II's objectives are to continue the MS I's increased enrollment while shifting to squad skills. The MS III's objectives are to prepare the cadet for the ROTC advanced camp and train him in platoon operations. MS IV's objective is to prepare the cadet for commissioning and acquaint him with company, field, and garrison functions and duties. This comprehensive managed and designed by objective POI will improve the quality of The Citadel's Army ROTC graduate. He will be better prepared to assume his duties in the military or in civilian life.

G. *Department of Aerospace Studies:*

1. General:

The objective of the Air Force program at The Citadel is to provide instruction, motivation, and experience necessary to develop in Air Force ROTC cadets the knowledge, character, and leadership qualities essential to their progressive development as officers in the United States Air Force. This year 32 cadets of the Class of 1977 were commissioned in the United States Air Force. Formal commissioning ceremonies were conducted in the Summerall Chapel on May 21, 1977, by

Brig. Gen. Thomas C. Pinckney, Jr., special assistant to the chief of staff of the Air Force.

2. Personnel:

Conduct of departmental affairs continued under the direction of Col. Thaddeus B. Welch, Jr., with Lt. Col. Howard L. Hall acting as associate professor of aerospace studies. Two Air Force officer representatives to the Joint Operations Center fulfilled dual roles: assisting in Corps training activities and serving as varsity athletic team coaches (swimming and tennis). The remaining instructors served as tactical officers and/or advisors to the Corps of Cadets. Additionally, Air Force officers served as the commandant's representative to the soccer and wrestling teams. The detachment's authorized strength remained at 11 officers and 6 noncommissioned officers.

3. Operations:

Recently the United States Air Force has been faced with officer strength reductions. These reductions have affected not only officers on active duty but also the accession of new officers into the Air Force. Headquarters Air Force ROTC has imposed on The Citadel Air Force detachment a quota on total commissionees for FY 78. Reflected in these figures are the new AFROTC requirements that 60 per cent of pilot, navigator, and missile quotas be filled by cadets with technical majors. Estimated officer production for FY 78 is 38; for FY 79 it is 39. These figures are also based on projected Air Force personnel requirements and are utilized to maintain the officer level within authorized strength limitations. The existing quota system controls only the number of allowable commissionees each year, not the number of special students in the Air Force ROTC advanced program.

1976-1977 AEROSPACE STUDIES ENROLLMENT

	No. Scholarships	No. Contracts	No. Non-contracts	Total Enrollment
First Class	13	19	115	147
Second Class	16	22	93	131
Third Class	15	0	194	209
Fourth Class	<u>7</u>	<u>0</u>	<u>239</u>	<u>246</u>
Total	51	41	641	733

Particularly impressive was the 1976 field training performance as 39 Citadel Air Force ROTC cadets competed with other Air Force ROTC cadets at different encampments throughout the United States. Only 22 per cent of the cadets are allowed to receive an outstanding rating on

their performance report; however, 13 (or 33 per cent) of The Citadel cadets received such ratings. In addition, Citadel cadets earned four major awards at their respective encampments.

In February 1976, Headquarters AFROTC announced that AFROTC Detachment 765, The Citadel, had been selected the outstanding AFROTC detachment in the Middle Atlantic area. The states represented in the Middle Atlantic area are Maryland, North Carolina, South Carolina, Virginia, West Virginia, and Washington, D. C. Based upon the recent Management Effectiveness Inspection results and selection as the best within the Middle Atlantic area, The Citadel AFROTC Detachment has been nominated for the Air Force Outstanding Unit Award (AFOUA) for the period November 1, 1974 to October 31, 1976. AFOUA selections will be announced during the summer months of 1977.

In addition to unit recognition, several AFROTC cadets were recognized for their academic excellence and demonstrated leadership potential. The most notable awards were received by Cadet Mark M. Crabbe of the Class of 1977. Cadet Crabbe was designated the most outstanding Air Force ROTC cadet in the Middle Atlantic area by virtue of receiving the highly competitive W. Randolph Lovelace Memorial Award. Additionally, Cadet Crabbe was awarded the Legion of Valor Bronze Cross for Achievement and the American Fighter Aces Award. These awards are presented to only seven cadets nationwide.

Capt. Dale B. Oderman, assistant professor of aerospace studies, was national runner up for the AFROTC Outstanding Instructor Award.

Headquarters United States Air Force recently approved a trial phase for an Advanced Training Program at Air Force installations for selected rising senior cadets. The program places cadets directly into a chosen career area (similar to the Air Force Academy's Operation Third Lieutenant), which should result in better informed, better trained, and more highly motivated cadets. AFROTC detachment commanders were requested to nominate volunteers for the Advanced Training Program. We nominated eight cadets, and seven were selected to participate in the summer 1977 program.

4. Flight Orientation Program:

The flight orientation program is designed to give Air Force ROTC cadets and designated applicants a practical indoctrination in Air Force flight operations. The objectives of this program are to provide local orientation flights aboard Air Force jet aircraft to supplement the cadet's classroom instruction and to further motivate qualified individuals toward a career as an Air Force pilot or navigator. This year 215 thirdclassmen were given indoctrination flights in C-141 aircraft stationed at Charleston Air Force Base, S. C. Divided into eight sorties,

the cadets were able to receive individual attention and reacted most enthusiastically to the program conducted with the cooperation of the 437th Military Airlift Wing.

5. Air Force ROTC Flight Instruction Program:

The flight instruction program at The Citadel is in its 21st year of operation. The program consists of light plane instruction conducted by civilian contractors at Air Force expense for qualified pilot category cadets. The program is designed to determine pilot aptitude and to increase motivation for undergraduate pilot training. This year five cadets were enrolled, and four completed flying requirements. (One cadet was medically disqualified.)

6. Leadership Laboratory:

The leadership laboratory sessions supervised by Air Force faculty members have provided AFROTC cadets (through practical command and staff leadership experiences) an opportunity to experiment with and develop the skills, techniques, and attitudes essential to leadership and effective management. This past year's laboratory exercises have been very productive and have created considerable cadet enthusiasm and participation.

7. Extracurricular Activities:

On April 15, 1977, the Air Force ROTC Dining-In was hosted by the Arnold Air Society, Roland F. Wooten Squadron, at the Charleston Air Force Base Officers' Club. The guest speaker was Brig. Gen. Tedd L. Bishop, commander of the 437th Military Airlift Wing, Charleston Air Force Base, S. C. The occasion included an address by the 437th Military Airlift Wing commander, entertainment, and the awarding of several cadet achievement awards.

On April 16, 1977, 34 AFROTC cadets and 2 officers visited an FB-111 on static display at Charleston Air Force Base. The swingwing bomber was flown to Charleston by Col. Guy Hecker, Citadel 1954, who attended the AFROTC Dining-In. Colonel Hecker is the youngest wing commander in the Strategic Air Command.

On April 20, 1977, an orientation visit to Patrick Air Force Base, Fla., was made by 24 Air Force cadets who were accompanied by an Air Force officer. The group was transported by a C-123 aircraft from the 302nd Tactical Airlift Wing, Rickenbacker Air Force Base, Ohio. A tour of the facility was conducted including such points of interest as the Eastern Test Range and Cape Kennedy.

On October 22, 1976, The Honorable Mrs. Nita Ashcraft, assistant secretary of the Air Force for manpower and reserve affairs, visited the AFROTC detachment. She was briefed on the AFROTC program by

Colonel Welch and attended the Friday afternoon Citadel Cadet Corps formal parade.

8. Future Plans:

The detachment anticipates a continued rate of growth with a projection for total enrollment in SY 77-78 of approximately 800 AFROTC students.

In response to Air Force requirements, a major effort will be made to recruit AFROTC applicants who are majoring in technical academic majors (e.g., civil engineering, electrical engineering, mathematics, physics, and chemistry). AFROTC now requires that 60 per cent of our contract quotas for pilot, navigator, and missile go to cadets in technical majors.

In this same vein, AFROTC is considering the idea of additional courses for AFROTC cadets to improve the communicative/mathematical skills of its commissionees. Non-technical applicants at The Citadel will probably be required to take a three-hour course in either calculus or statistics in order to receive a contract.

The Weighted POC Selection System (WPSS) became effective on January 3, 1977. Its purpose is to improve the quality of Professional Officer Course (POC) entrants and subsequently AFROTC commissionees. This new system uses several factors to provide a Quality Index Score (QIS) for each sophomore applicant. Some of these factors are: GPA, AFOQT scores, detachment commander rating, SAT scores, etc. These factors are multiplied by a standard figure provided by Headquarters AFROTC. If a cadet scores 63 or better, he is eligible to receive a primary contract quota, which the detachment commander may grant. If the score is below 63 and the detachment commander believes the cadet has potential, then his records are forwarded to Headquarters AFROTC for consideration by a central selection board. If selected he is issued a special quota by Headquarters AFROTC and may enter the POC. WPSS applies to all POC applicants including the rising AS 300 College Scholarship Program recipients. This new way of awarding contract quotas has the potential of making a significant contribution to the quality of the AFROTC cadet corps nationwide and subsequently in the officers provided to the Air Force.

H. *Department of Naval Science:*

1. General:

During the 1976-77 school year, the Naval ROTC unit once again experienced growth. The unit had 630 students enrolled of which 164 were Navy/Marine Scholarship students. The following table presents the unit's growth for the past five years.

	School Year				
Type Students	72-73	73-74	74-75	75-76	76-77
Scholarship	182	199	215	200	164
College Program					
(Contract)	218	142	122	162	169
Naval Science	25	114	153	244*	297*
Total	425	455	490	606	630

*Note: Includes 77 and 82 Iranian students, respectively.

Of the 164 NROTC scholarship students enrolled in the program during SY 1976-77, 64 were Direct Appointment Professor of Naval Science Scholarships, while the remaining 100 were National Competition Scholarship recipients. Both types of scholarships carry the same benefits providing payment for tuition, books, fees, and \$100 per month subsistence allowance. The Naval Service provided financial remuneration to The Citadel in the amount of \$392,318.45 (not including pay for summer training or uniform commutation) for Scholarship and Advanced College Program students during SY 1976-77, averaging over \$2,200 per scholarship student, and \$900 per Advanced College Program student.

During May 1977, 48 Naval cadets were commissioned; 40 Navy ensigns and 8 Marine Corps second lieutenants.

2. NROTC Staff:

Col. Roy E. Moss, USMC, William and Mary 1951, continued to serve as commanding officer/professor of naval science. Unit staffing consists of four Marine officers, seven Navy officers, four Navy enlisted, one Marine enlisted, two Federal Civil Service secretaries, and one South Carolina state employed secretary. Personnel turnover was slight during this academic year, and only one Navy officer change occurred.

3. NROTC Unit Activities:

Throughout the school year, several tours and field trips involving both Navy and Marine students were scheduled. Several visits to the Charleston Naval Base enabled students to visit both surface and subsurface vessels as well as visiting various training and other activities located on the base. Additionally, Naval students were given the opportunity to participate in field trips to the Marine Corps Recruit Depot, Parris Island, S. C.; Second Marine Division, Camp Lejeune, N. C.; Marine Corps Air Station, Cherry Point, N. C.; and the Marine Corps Air Station, Beaufort, S. C. Among other activities, students fired the M-16 rifle and .45 caliber pistol and received briefings and orientation in Marine Corps aviation and ground support concepts and equipment.

Both Navy and Marine cadets conducted traditional Mess Nights during the school year. These events were designed to professionally enrich those cadets aspiring to achieve commissioned officer status in either the Navy or Marine Corps. Navy students had as their guest of honor/speaker Rear Adm. Roy F. Hoffmann, USN, commander, Naval Base Charleston/commandant, Sixth Naval District, who spoke on "The Importance of Leadership in Today's Technical Navy"; Marine students had as their guest of honor/speaker Lt. Gen. Lawrence F. Snowden, USMC, deputy chief of staff for plans and policies, Headquarters, United States Marine Corps, who spoke on "Leadership."

4. NROTC Flight Instruction Program:

Academic year 1976-77 saw the last of the Navy-sponsored flight instruction program (FIP). Budgetary restrictions and other considerations had previously reduced the flight time to 15 hours, with no opportunity to earn a private pilot's license and a resultant decrease in student participation. The last FIP class had 13 Navy and Marine Corps students, all of whom successfully completed the program.

5. Leadership Training:

The Naval Science program continued to emphasize the development of leadership. In its classroom curriculum, field trips, summer cruises, and individual counseling by Navy and Marine officers, cadets learned the characteristics and rewards of effective leadership. This integrated program of instruction, both formal and informal, enhanced the leadership development of Naval cadets as evidenced by the number of Naval cadets promoted to top-rank positions within the Corps of Cadets for SY 1977-78.

6. Awards and Honors:

During the first semester, SY 1976-77 the professor of naval science designated 17 Navy cadets and 3 Marine cadets as distinguished Naval students. This honor is bestowed only upon those Naval cadets who have displayed, through performance, the qualities and traits that characterize a Naval officer. Both Navy and Marine cadets received numerous awards during the annual Awards Day activities. Cadets Richard M. Lake and Charles E. Bensten received the Marine Mameluke and Navy Swords, respectively, presented annually to the outstanding Marine and Navy senior cadets by the Charleston Chapter of the Navy League.

7. Marine Enlisted Commissioning Education Program (MECEP):

During SY 1976-77, 26 enlisted noncommissioned and staff non-commissioned officers participated in this program. The academic performance of these students is indicative of their positive contributions to The Citadel's total program. At the conclusion of academic year 1976-77,

these Marines amassed an average cumulative grade-point ratio of 3.189 of 4.0. Over the course of the year, 17 graduated and were commissioned second lieutenants in the Marine Corps. Two were dropped from the program for administrative reasons. Three will graduate and receive commissions in August 1977, with five new members scheduled to enter the MECEP at the commencement of SY 1977-78.

8. Imperial Iranian Navy Midshipman Program:

The preceding year's annual report addressed the academic and disciplinary difficulties experienced by Imperial Iranian Navy students enrolled at The Citadel and serving in the institution's NROTC program. During school year 1976-77, improvement was noted in their academic performance within the NROTC curriculum with the exception of NS-301 and 302 (Navigation). Due to their relatively poor performance in these courses during the school year, the Naval Science Department offered these courses during summer school 1977, solely for the benefit of these students. Ten of 12 summer school students passed NS-301. Registration was so low for NS-302 that the course was cancelled.

While the overall disciplinary performance of Imperial Iranian Navy students continued to be substandard, a noticeable exception occurred in the freshman class. This exception can be attributed to a more rigid screening and selection process by both the Imperial Iranian Navy and The Citadel. A new problem with the Imperial Iranian Navy cadets has begun to emerge, however. A few Imperial Iranian Navy cadets either graduated or discharged from The Citadel have refused to return to Iran. Liaison with Iranian Navy officials is in progress to address this problem.

9. NROTC Program Academic Policy Changes:

Commencing September 1976, a Navy policy change altered both academic majors and individual academic course requirements for both Navy Scholarship and College Program students.

Generally, the new requirements raised the percentage of Navy Scholarship students required to major in mathematics, physics, chemistry, or engineering from 60 per cent to 80 per cent commencing with the Class of 1981. Students desiring to compete for an NROTC Professor of Naval Science Direct Appointment Scholarship, irrespective of major, while serving in the NROTC program, must successfully complete two semesters of engineering level calculus and one course in engineering level physics before they can be considered for a Navy-option scholarship. Requirements for Marine Corps Scholarship students remained the same.

With the Navy's increased emphasis upon a more technically educated officer, The Citadel, with its predominately liberal arts emphasis,

will probably experience a decline in the assignment of Navy-option NROTC scholarship selectees to the institution and a concomitant decline in overall NROTC unit size.

10. SY 1977-78 Plans:

a. To recruit a minimum of 35 per cent of the incoming fourth class for the NROTC program with emphasis upon fourthclassmen who can successfully cope with the rigors of the more difficult mathematics and scientific courses.

b. To continue to review NROTC academic courses, within guidelines established by The Citadel's Academic Board, with an objective of continued improvement in both course and curriculum content.

c. To continue efforts to correct deficiencies in the academic and disciplinary performance of Imperial Iranian Navy students.

d. To commission 43 officers into the Navy and 33 officers into the Marine Corps from the NROTC program at the conclusion of school year 1977-78; to commission 5 MECEP students into the Marine Corps during the period August 1976-August 1977.

ATHLETIC AFFAIRS

A. *General:*

During the 1976-77 school year, more than 700 students participated in the intercollegiate sports program as squad members, managers, student trainers, or student coaches. Twelve intercollegiate teams competed in 133 contests compiling a 54 per cent winning average. While none of our teams managed a championship, baseball (last year's champion) and rifle finished as runners-up, with golf and soccer finishing in third place.

Sixteen athletes, representing five teams, earned All-Conference or All-State honors. All records are listed following this report. Several athletes were selected for honors bringing national acclaim both to The Citadel and to the athletes themselves.

B. *Personnel and Facilities:*

A number of members of The Citadel athletic staff again brought recognition to The Citadel. Chal Port, last year's Conference Coach of the Year, completed his final term as chairman of the NCAA Baseball Committee by supervising all details of the College World Series in Omaha, Neb. Trainer Andy Clawson served as secretary-treasurer of the National Trainer's Association and represented The Citadel at the South Carolina Coaches Association Clinic as a guest lecturer. Jimmy Wilder was elected chairman of the Conference of Sports Information Directors

and presented a lecture on sports promotion at the COSIDA (National Convention). Eddie Teague was re-elected chairman of the Conference Athletic Directors.

Several outstanding additions were made to athletic facilities during the year, and this general upgrade of all sports areas not only improved the playing surfaces and dressing rooms, but created a more competitive attitude with all teams and coaches.

C. Athletic Department Finances:

For the second straight year, The Citadel Athletic Department generated sufficient income to meet all obligations and produce a small surplus. Increased attendance at football games, administrative support, and significant increases in Brigadier memberships were the reasons for the financial success during the last two years.

1. The Citadel Athletic Fund (CAF):

As income sources, the Board of Visitors provided Daniel Funds to supplement the income which was not projected from guarantees in 1976-77; the CAF generated more than \$47,000 in surplus funds over the past two years from ticket sales, Brigadier memberships, and baseball receipts which were at an all-time high; and TV receipts from the Southern Conference appearances increased almost double the amount projected.

2. The Citadel Educational Fund (CEF):

An all-time high of more than \$220,000 raised by The Brigadier Club was a significant portion of income which was used to fund grants for more than 134 cadet/athletes in 1976-77. In addition to the Brigadier funds, Daniel funds were increased to \$20,000 for 1976-77, for funding grants to "non-income producing" sports. It appears that the Brigadier Club membership is an area where we can expect an increase and, having had luck early in the season, the membership income should continue to increase.

All sports were funded by the CEF to some degree with the majority of grants going to the income-producing sports.

D. Plans and Recommendations for 1977-78:

In order to continue the development of our intercollegiate program to a higher degree of excellence, we have selected the following general program objectives:

1. Strive to support each team in such a manner that we can expect our teams to finish in the top three in conference competition.
2. Improve our schedules with special emphasis on home contests.

3. Strengthen our promotional efforts in all sports with increased emphasis on football and basketball.

4. Continue to upgrade our facilities.

E. Summary of the 1976-77 Sports Records:

The following summary of the won-loss records of our teams is a credit to our coaches and a number of outstanding athletes.

The Citadel's 1976-77 Sports Record

Sport	Won	Lost	Tied	Conference Finish
Football	6	5	0	Sixth
Soccer	6	6	2	Third
Cross Country	—	—	—	Sixth
Swimming	6	6	0	Seventh
Wrestling	7	8	0	Fifth
Golf	5	2	0	Third
Tennis	8	14	—	Fifth
Baseball	21	11	—	Second
Track	1	4	—	Sixth
Rifle	12	3	—	Second
	72	59	2	54 per cent Winning Average

Special Awards and Honors

Football:

All-Conference: Andrew Johnson, Brian Ruff, Ralph Ferguson

All-State: Dickie Regan, Andrew Johnson, Tony Starks, Brian Ruff, Ralph Ferguson, Kenny Caldwell

All-American: Brian Ruff (Associated Press first team, United Press second team)

Academic All-American: Kenny Caldwell

Conference All-Academic: Kenny Caldwell, Paul Tanguay

Conference Player of the Year: Brian Ruff

Conference Athlete of the Year: Brian Ruff

Basketball:

All-Conference: Rick Swing (second team)

All-State: Rick Swing

Conference All-Academic: Ricky Day

Soccer:

All-Conference: Donn Corts, Greg Kirshe, Randy Cooper (second team)

Baseball:

All-Conference: Richard Wieters

Conference Player of the Year: Richard Wieters

Rifle:

All-Conference: Bill Pappas, Jim Lever, Tom Storm

STUDENT ACTIVITIES

A. *General:*

Several personnel changes took place in the department during the year. Chief Harry J. Christiansen, who directed the Yacht Club activities for 21 years, transferred to another position in November and was replaced by Master CPO Kenneth R. Cook, USN (Retired).

Chief Charles R. Rose, who was custodian of The Citadel Beach Club since 1958, retired in the spring. He was replaced on March 1 by Mr. Joel M. McDuffie, who transferred from the Physical Plant.

After about one and a half years as director of the canteen, Capt. Robert L. Adams resigned on May 31. The new director is CWO Donald C. Wilkinson, USN (Retired).

Activities in Mark Clark Hall increased again during the year, with many new seminars, conferences, workshops, etc. leading the way. The building and its facilities are now being used almost to maximum capability during the college year.

Once again, as in past years, nine local civic clubs each held a luncheon meeting in Mark Clark Hall during the spring months.

B. *Social Activities:*

The usual formal hops were held on Parents' Day, Homecoming, and Corps Day.

Social mixers (informal dances) were held frequently, some on Tuesday afternoons and others on Friday nights, several of the latter having been held at the Beach Club. One of these was a square dance, which was well attended.

The hostess initiated a series of successful cruises in the fall and spring months aboard the *Southwind*, with up to a dozen cadets and an equal number of young ladies aboard for each cruise.

Many other receptions, dinners, lunches, and birthday parties were held for cadets, veteran students, campus visitors, potential students, faculty and faculty wives, Miss Citadel contestants, etc.

The hostesses arranged eight evening dances for the Boys Summer Camp. Welcoming coffees were held for campers' parents at the beginning of each camp period, plus evening receptions at the end of each period.

C. Publications:

The usual student publications were again presented: *The Sphinx* (yearbook), *The Brigadier* (newspaper), *The Shako* (literary magazine), *The Guidon* (student handbook), and *The Student Directory*. All of these publications are provided to all students at no extra cost, as all are financed by activities fees, supplemented by student solicited advertising in the case of *The Sphinx* and *The Brigadier*. *The Brigadier* also sold more than 2,100 subscriptions.

D. Fine Arts:

This activity completed its 12th year, during which the following programs were presented:

John Stuart Anderson in a solo dramatization

Jeffrey Swann — concert pianist

The University Players in *The Tavern*

Piedmont Chamber Orchestra

Clamma Dale — soprano

E. Post Office:

Post Office sales of stamps, COD's, customs, postal money orders, and Western Union money orders totaled more than \$217,700, an increase of about 18 per cent over the previous year. The majority of sales was for postal money orders.

An average of about 13,000 pieces of incoming and outgoing first and second class mail was handled daily, plus about 200 parcels a day. About 8,700 registered, certified, insured, COD, and customers transactions were handled during the year.

Additional services performed by the Post Office include forwarding of mail, assisting with voting through absentee ballots, alien registration, providing income tax forms, civil service and voter registration forms, plus wiring flowers.

F. Beach House:

More than 12,000 people attended scheduled group activities at the Beach House during the year, in addition to the usual unscheduled guests. The increase is about 20 per cent more than the previous year

and is attributed to an increased scheduling of activities at the Beach House as well as the sale of beer and food.

The ARA Company continued to provide beer and food sales until April 1, 1977, when those responsibilities were assumed by Mr. McDuffie, the new director of the Beach Club.

G. Special Activities:

Once again, Capt. Laurence W. Moreland directed the debate team through a successful year. About two dozen cadets participated in the activity, and of these six represented The Citadel in off-campus debates. They participated in six such debate tournaments, winning one tournament and placing in the top five in three other tournaments. The team also sponsored two on-campus debate tournaments, one for high schools, of which 15 competed. The annual Citadel Intercollegiate Invitational Debate Tournament, held February 25-26, drew teams from 25 colleges from many states.

The cadet Orphanage Fund drive collected more than \$1,400 during the annual fund drive to provide Christmas gifts to children in local orphanages. The Orphanage Fund Committee has donated \$1,500 to the college for another scholarship of \$500 a year to a rising sophomore.

H. Auxiliary Enterprises:

Continuing progress was made during the year in purchasing new and replacement equipment for the canteen. Many new vending machines were purchased for use in the barracks, with the result that vending income has increased markedly.

The physical arrangement of the canteen was altered to provide greater space for seated customers and a larger self-service area. Also, a new door has been installed which provides direct access to the patio where customers may sit outside to eat.

I. Yacht Club:

The Yacht Club channel and basin were dredged to a depth of eight feet at low tide during the fall of 1976. It is anticipated that further dredging will have to be accomplished annually.

A substantial increase in boats and ancillary equipment was procured during the year, virtually all of it intended for student use. Included were six outboard motor boats with trailers, four Sunfish sailboats, water skis, tow ropes, life vests, gasoline tanks, etc.

The Yacht Club grounds have been expanded to include a larger fenced area for boat storage. The bulkhead at the land end of the basin

has been replaced. Four gas fired grills and picnic tables have been installed in the grassed area in front of the club house.

RELIGIOUS ACTIVITIES

Between the departure of Chaplain (Col.) Edgar R. Raynis from The Citadel and the arrival of Chaplain (Col.) James R. Boggs as his replacement on April 1, 1977, Chaplain (Col.) Sidney R. Crumpton was recalled to serve as interim chaplain to the Corps of Cadets.

Chaplain Crumpton provided excellent pastoral care to the cadets, and his timely sermons were deeply appreciated. His compassion and love for the Corps of Cadets contributed greatly to his effective counseling and problem-solving encounters with the cadets. His ministry gave a stability to the religious program at a critical time in the life of The Citadel. The Palmetto Award presented to Chaplain Crumpton at the honors ceremony was a meaningful expression of appreciation for outstanding services rendered to the college. Due to his many years of faithful service to The Citadel, it seems appropriate that definite consideration should be given by the Board of Visitors to elevate Chaplain Crumpton to official status of chaplain emeritus with all the privileges of this honor, less pay. His years of experience are a valuable reservoir of knowledge to contribute in an advisory capacity to the continuing religious program of this great institution.

During school year 1976-77 campus ministers — namely the Reverend Lemuel Roberson, Father Sam Miglarese, and the Reverend Harold Syfrett — made valuable contributions in strengthening the total religious program for the Corps. While office space and very minimal logistical support is provided for these clergymen by The Citadel, it is recognized that the churches they represent have contributed significantly to the well-being of the cadets. Their contributions included: great leadership which made "Gathering '76" a successful experience for freshmen making the transition from high school to college life in an emotionally healthy climate.

Father Miglarese organized a parish council; established Catholic liaison with each of the companies; organized the Knights of Columbus with 70 members; and provided religious retreats and religious services to meet the needs of Catholic cadets. His ecumenical spirit assisted greatly in bridging gaps between the religious communities.

The Reverend Roberson brought to the Episcopal cadets a vibrant religious program in keeping with the best traditions of the Anglican Communion. In addition to the regular services and retreat experiences, he provided training in lay leadership development that will influence the lives of Episcopal cadets in years to come. His ability to

coordinate and supervise religious activities for cadets with civilian church life resulted in a most successful Baccalaureate Communion Service and a widely acclaimed conference of Episcopal Church Women at The Citadel in April 1977 with cadet involvement.

The Reverend Harold Syfrett, the Baptist campus minister, provided a strong Baptist student program that involved cadets with other area college organizations in an effective witness of the faith, and sponsored social action activities that assisted less fortunate people of the Greater Charleston Area. His cooperative spirit in the Protestant program assisted greatly in undergirding the total religious environment on campus.

The Religious Council is composed of four elected officers by the Corps along with a representative from each of the denominational groups. The campus ministers, the campus pastors, and the chaplain to the Corps of Cadets serve as ex-officio advisors to the council. During 1976-77 the Religious Council sponsored the Freshman Banquet and the religious speakers program and assisted in the coordination of the denominational retreats. The Religious Council met with the new chaplain to "think through" the SY 1977-78 religious program.

HONOR SYSTEM

The Honor System held its place at the center of The Citadel experience under the leadership of an unusually effective and admired chairman of the Honor Committee, Cadet David Rogers. The Honor Committee revised small parts of the Honor Manual (added a definition of plagiarism, reminded the Corps of Cadets that they are expected to abide by the honor code during summer furlough, reduced the size of the court from 10 to 8 members, and added a clarification regarding appeal procedures), three of which the Corps approved by a three-fourths vote in the spring; the Corps disapproved the third amendment listed above.

Unfortunately, it was necessary to try 13 cadets, 6 of whom were eliminated from the Corps, 2 for lying, 3 for cheating, and 1 for plagiarism. Two cadets were convicted of lying and given leniency, 100 tours for one, 25 for the other. Four cadets resigned upon being accused of honor violations (one each: lying, cheating, stealing, plagiarism), one of whom was accused of cheating in summer school in June 1977. One cadet was convicted of lying three days before graduation and appealed the finding, with the result that the honor court will reconvene within seven days after the 1977 Fall Semester begins to receive direct testimony from pertinent witness in order to reach a more supportable verdict. Thirty-four charges were made during the year, most of which

were dropped after investigation for lack of sufficient evidence; because many of these occurred during the last weeks of classes and examinations, four cases had to be held over for disposal early in the 1977 Fall Semester.

In the spring a team of officers from the Department of the Army visited The Citadel to learn about our 22-year-old honor system, which has never suffered a major scandal, in contrast with that of the United States Military Academy, which was shaken severely by a scandal last year. The team had discussions with the president, the commandant, the regimental commander, the chairman of the Honor Committee, and the advisor to the Honor Committee. The general conclusion was that our Honor System works because it has the support of the Corps, and that is largely because it is cadet run, with a sharp division between honor offenses and disciplinary offenses.

GREATER ISSUES SERIES

As a part of its Greater Issues Series, The Citadel hosted a number of dignitaries who spoke to the Corps of Cadets, faculty, and college guests on a variety of issues of national interest. The dates and speakers are listed below:

- November 1, 1976 .. Gen. George S. Brown, chairman of the Joint Chiefs of Staff
- January 27, 1977 ... His Excellency Ashraf A. Ghorbal, the ambassador of the Arab Republic of Egypt
- February 11, 1977 .. The Honorable Ernest F. Hollings, United States senator from South Carolina
- February 25, 1977 .. The Honorable U. Alexis Johnson, ambassador-at-large and chief of the United States delegation to the United States-Soviet Negotiations on The Limitation of Strategic Arms (SALT)
- March 3, 1977 The Honorable George H. Bush, former director of the Central Intelligence Agency
- March 22, 1977 Lt. Gen. Vernon A. Walters, USA Ret., former deputy director of the Central Intelligence Agency
- May 21, 1977 The Honorable James B. Edwards, governor of South Carolina

In addition, The Citadel hosted several significant seminars of broad interest on October 15-16, 1976. A National Policy Seminar on the subject of Detente 1976 was held in Jenkins Hall for invited cadets and guests. The panelists were:

Gen. Andrew J. Goodpaster, John C. West professor of government and international studies at The Citadel — moderator
Senator Charles McMathias, United States senator from Maryland
Dr. Warren Nutter, Paul Goodloe McIntire professor of economics, University of Virginia
Dr. Richard Walker, director, University of South Carolina Institute of International Studies
Gen. Donald Bennett, former director, Defense Intelligence Agency
Mr. Helmut Sonnenfeldt, counselor, Department of State

On December 4, 1976, the Southern Council for International Studies, a private organization under the leadership of former Secretary of State Dean Rusk, held one of their periodic conferences at The Citadel and again Citadel cadets, faculty, and guests were in attendance. The panelists were:

Secretary Rusk
Former Secretary of State William Rogers
Senator Howard Baker of Tennessee
Congressman Clement Zablocki of Wisconsin
Former Governor John C. West of South Carolina — Moderator

These gentlemen discussed the legislative and executive department roles in the derivation and execution of foreign policy.

PUBLIC RELATIONS

Two hundred sixty-seven Citadel cadets took part in the Miss USA Pageant which originated in Charleston, May 14. It is estimated that up to 70 million people saw the cadets on national television. Reaction to this more-than-a-million dollars worth of publicity has been extremely favorable.

The Junior Sword Drill performed before 5,000 top life insurance executives at the Million Dollar Round Table annual meeting in Atlanta, June 27. Many logistics problems had to be overcome to assemble this group and accouterments in the summer. The Drill drew rave notices and a standing ovation.

Preliminary work on a new recruiting film is underway, and the final product is expected to be available in the spring of 1978.

The Citadel received extremely favorable national publicity when Gen. Andrew J. Goodpaster, who occupied the John C. West chair of government and international studies here, was recalled to active duty to serve as superintendent of West Point.

In addition to focusing attention on The Citadel's participation in the Bicentennial celebration, the public relations office continued its em-

phasis on student hometown coverage, guided tours for campus visitors, traveling cadet units, and other information services.

PERSONNEL OPERATIONS

The Personnel Department, established in September 1975, operates as a centralized personnel office which is responsive to each department and activity in accomplishing personnel administration and management relative to classification and compensation, employer relations, employment services, in-service training and career development programs, health and life insurance programs, and employee retirement.

Among the activities of the department were: review of position questionnaires with appropriate regrading, preparation of personnel staffing documents for permanent and student employees, further work on affirmative action programs, award of service pins, workshops for employer/employee relations and for secretaries, retirement counseling, and summer youth employment programs.

TELECOMMUNICATIONS

The DAIN system (Direct Access Intercity Network) was substituted for the WATS system and is proving more economical and more efficient.

Additional trunk lines to The Citadel switchboard were installed to provide better service to the Corps and the administration.

SECURITY

The period July 1, 1976, through June 30, 1977, was one of the busiest years on record for the Department of Public Safety. The increased utilization of campus facilities, both athletic and academic, with associated traffic and crowd control problems has taxed the resources of this department.

During the past year the department assumed the new functions of preparing faculty, staff, employee, and student ID cards, managing lost and found, and operating a shuttle bus run for cadets on Friday and Saturday nights.

The Uniform Crime Index for The Citadel is indicated below:

Forcible Aggravated						Motor Vehicle
Murder	Rape	Assault	Robbery	Burglary	Larceny	Theft
0	0	4	1	1	192	0

Baracks larceny/theft continues to be the major problem facing The Citadel administration.

PERSONNELS
NECROLOGY

Announcements were made of the following deaths in The Citadel Family during the 1976-77 fiscal year:

- Cadet Edwin Trevor Rowe, Class of 1980, in Charlotte, N. C., May 1, 1977.
- Col. Ralph M. Byrd, academic dean emeritus, February 5, 1977.
- Cadet Willard D. Evans, Class of 1977, in Amsterdam, Holland, September 23, 1976.
- Capt. William D. Laws, assistant professor, documents and serials librarian, September 7, 1976.

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